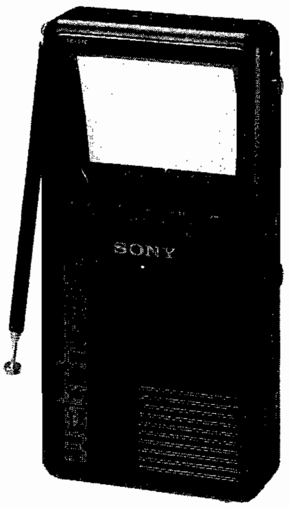
FD-270

3084

SERVICE MANUAL

US Model
Canadian Model



SPECIFICATIONS

TV standard	American TV standard
Channel coverage	VHF channels 2-13 UHF channels 14-69
Antenna	VHF/UHF telescopic antenna
Picture tube	2.7-inch picture measured diagonally
Output	EAR: minijack impedance 8-300 ohms
Power requirements	3 V DC

Battery life

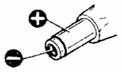
Batteries	Approx. hours
Sony alkaline AM3 (N)	2
External battery case EBP-500B (optional) Sony SUM-1 (NS)	5

Power consumption	1.5 W (3 V DC)
Dimensions	Approx. 83 × 155 × 32.3 mm (w/h/d) ($3\frac{3}{8} \times 6\frac{1}{8} \times 1\frac{5}{16}$ inches) incl. projecting parts and controls
Weight	Approx. 370 g (13 oz) incl. batteries
Supplied accessories	Carrying case (1) Handstrap (1) Sony alkaline battery AM3 (N) (2) Antenna coupler (1) . . . . . (Canadian)

FEATURES

- Miniature black and white TV for portable or tabletop use.
- Synchronous circuit ensures stable reception, even in a moving vehicle.
- 4-way power source capability allows use in various situations.
- SOUND position enables listening to the TV sound only.
- The antenna coupler (supplied) for monitoring the video camera recorder.

Note: Use only the recommended AC power adaptor, car battery cord or external battery case manufactured by Sony. Polarity of the plugs of other manufacturers may be different.



Polarity of the Sony plug

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

MICROFILM

FLAT BLACK AND WHITE TV

SONY®

B&W

3084

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

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Features 1
Flexible Circuit Board Repairing 2

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Location of Controls 2

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SECTION 3. DIAGRAMS

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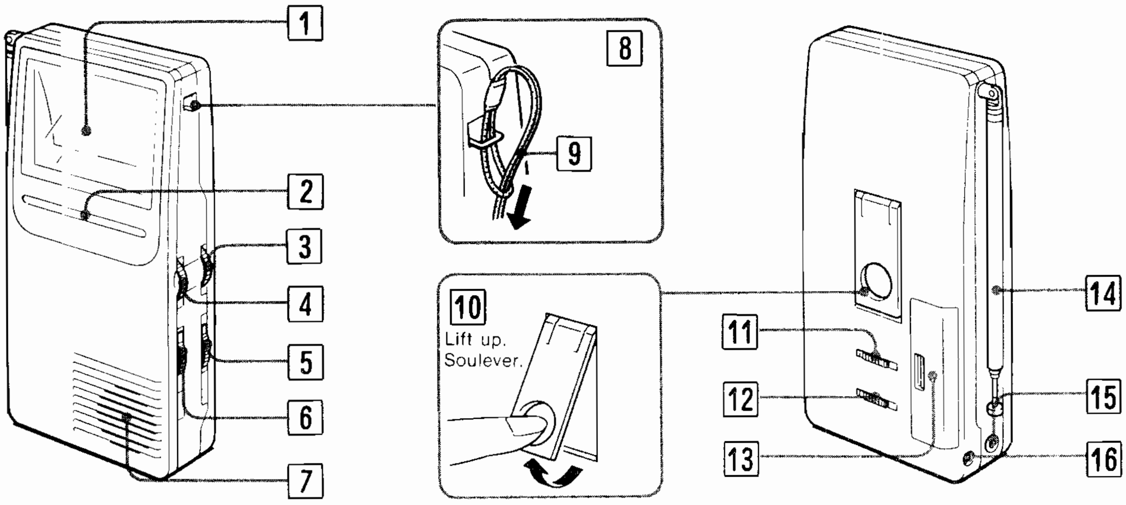
SECTION 1
OUTLINE

LOCATION OF CONTROLS



1 Screen
2 Dial scale
3 VOLUME control
4 TUNING control
5 POWER switch
6 BAND switch
7 Speaker
8 Loop for handstrap
9 Handstrap (supplied)
10 Stand
11 CONTR (contrast) control
12 BRT (brightness) control
13 Battery compartment
14 Telescopic antenna
15 EAR (earphone) jack
16 DC IN 3 V (external power input) jack

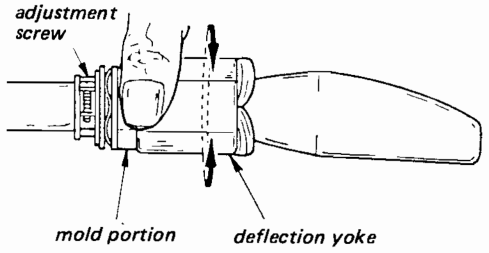
SECTION 2
ADJUSTMENTS

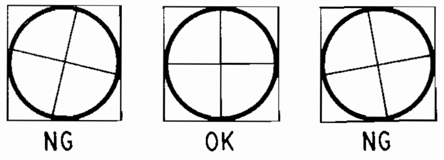
1. Test Equipment Required
   - regulated power supply
   - color-bar/pattern generator
   - digital voltmeter
   - stand the unit and set the rear of it to south, and then adjust.
   - S701 . . . "H", S801 . . . "H"
2. Input Signal
   a cross-hatch, a color-bar or a TV station.
3. These adjustment should be performed with 3V dc unless otherwise noted.

Horizontal Alignment Adjustment

1. Loosen the adjustment screw.
2. Tune in a TV station and adjust deflection yoke for optimum picture.
3. Tighten the screw after the adjustment.

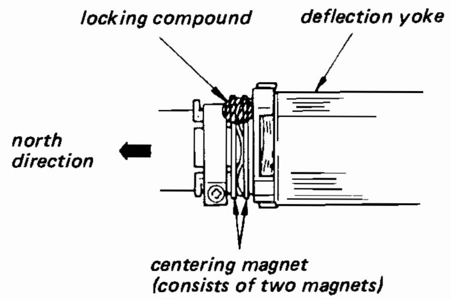
Note: When making the adjustment, turn the deflection yoke while holding the mold portion together with yoke.


adjustment screw
mold portion
deflection yoke



Centering Adjustment

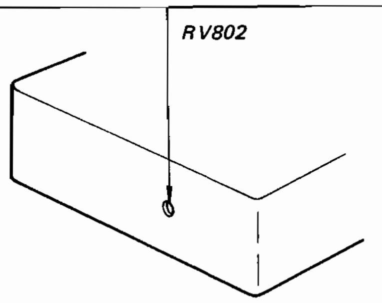
1. Turn the socket of CRT toward the north.
2. Tune in a TV station.
3. Adjust the centering magnet so that the picture is in the center.


locking compound
deflection yoke
north direction
centering magnet (consists of two magnets)

Focus Adjustment

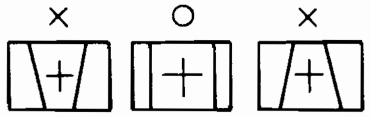
S701 (CONTR)...H, S801 (BRT)...M

1. Set the regulated dc power supply voltage to 3V.
2. Adjust RV802 for the best focus at the center of the picture.



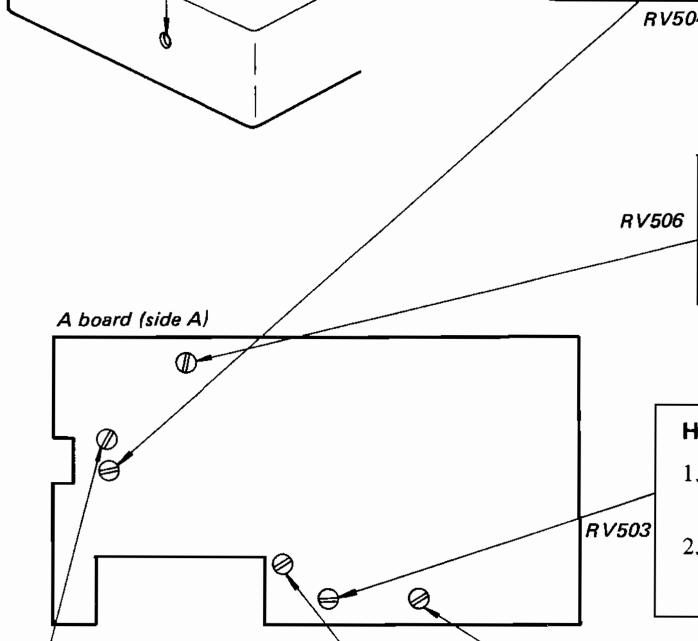
Keystone Correction (KEYST) Adjustment

1. Tune in a TV station.
2. Adjust RV504 for optimum picture.



2.2V Adjustment

Adjust RV506 for 2.2V reading on collector of Q503.


RV504
RV506
A board (side A)
RV503
RV201
RV505
RV502

Horizontal Frequency Adjustment

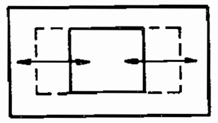
1. Connect terminal ⑬ of IC502 to ground.
2. Tune in a TV station and adjust RV503 for stable picture.

RF AGC Adjustment

1. Tune in a TV station.
2. Adjust RV201 so that snow noise disappears from the picture.

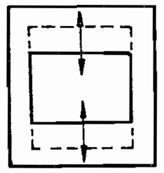
Horizontal Amplitude (H·SIZE) Adjustment

1. Tune in a TV station.
2. Adjust RV505 for the best horizontal amplitude.



Vertical Amplitude (V·SIZE) Adjustment

1. Tune in a TV station.
2. Adjust RV502 for the best vertical amplitude.



g

C502 to

t RV503

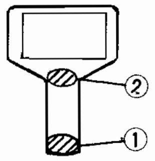
ow noise.
ıre.

ude.

Luminance (BRT) Adjustment

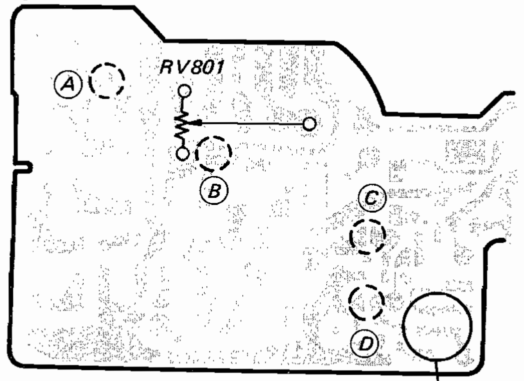
1. Bridge the pattern as shown at right according to the mark on the neck of the picture tube.

①	②	bridge
red	red	Ⓑ · Ⓒ
no mark	red	Ⓑ
no mark	no mark	Ⓐ
blue	no mark	Ⓐ · Ⓓ

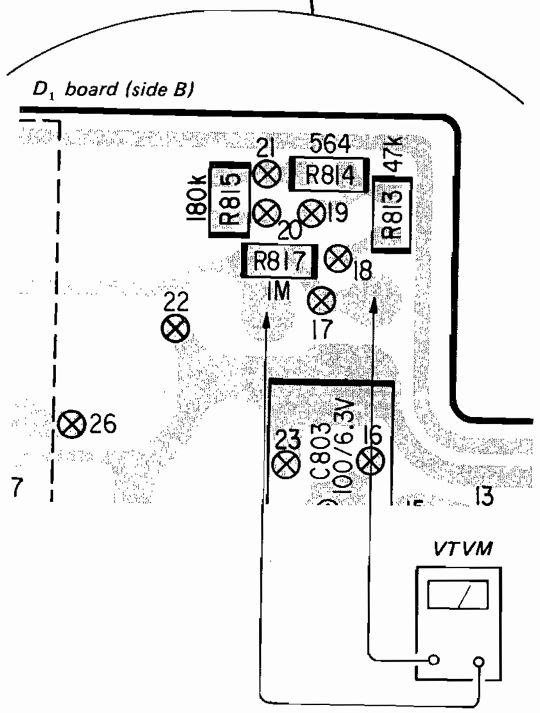


2. S701 (CONT)...H, S801 (BRT)...H
   Connect a digital voltmeter across R817 and adjust RV801 for 14.7V reading on digital voltmeter.

D1 board (side A)

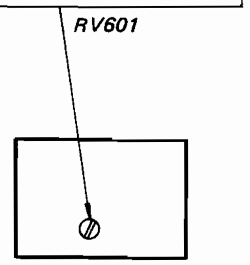


D1 board (side B)


21
564
R814
47k
180k
R815
19
20
R813
R817
18
1M
22
17
26
23
C803
100/6.3V
16
7
13
VTVM

4.2V Adjustment

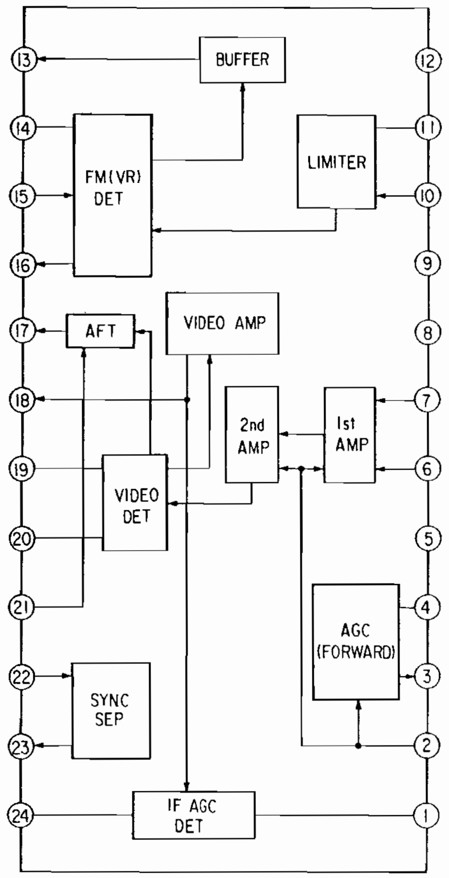
Adjust RV601 for 4.2V reading on collector of Q601.



S board

IC BLOCK DIAGRAM

CXA-1283N


BUFFER
LIMITER
FM(VR) DET
AFT
VIDEO AMP
2nd AMP
1st AMP
VIDEO DET
AGC (FORWARD)
SYNC SEP
IF AGC DET
1
2
3
4
5
6
7
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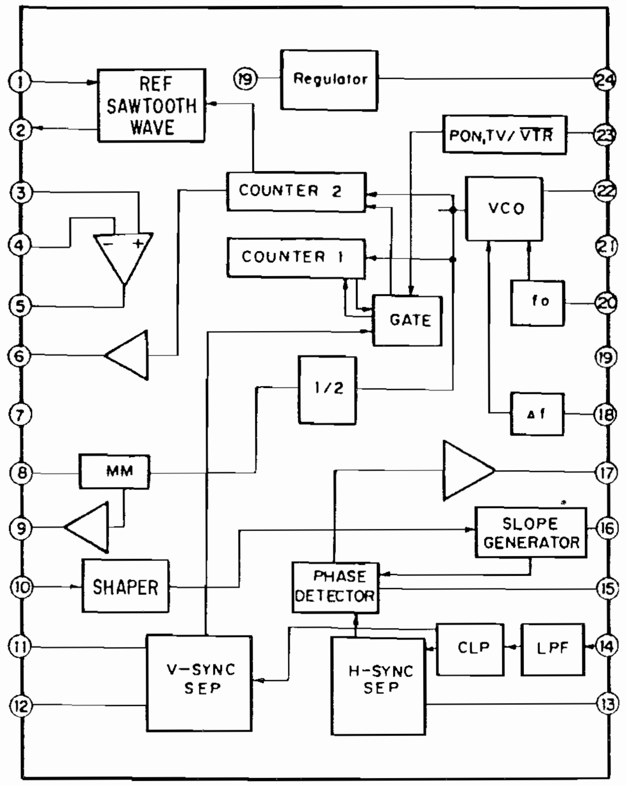
24

CXA-1252N


REF SAWTOOTH WAVE
Regulator
PON,TV/VTR
COUNTER 2
COUNTER 1
VCO
fo
GATE
1/2
Δf
MM
SLOPE GENERATOR
SHAPER
PHASE DETECTOR
CLP
LPF
V-SYNC SEP
H-SYNC SEP
1
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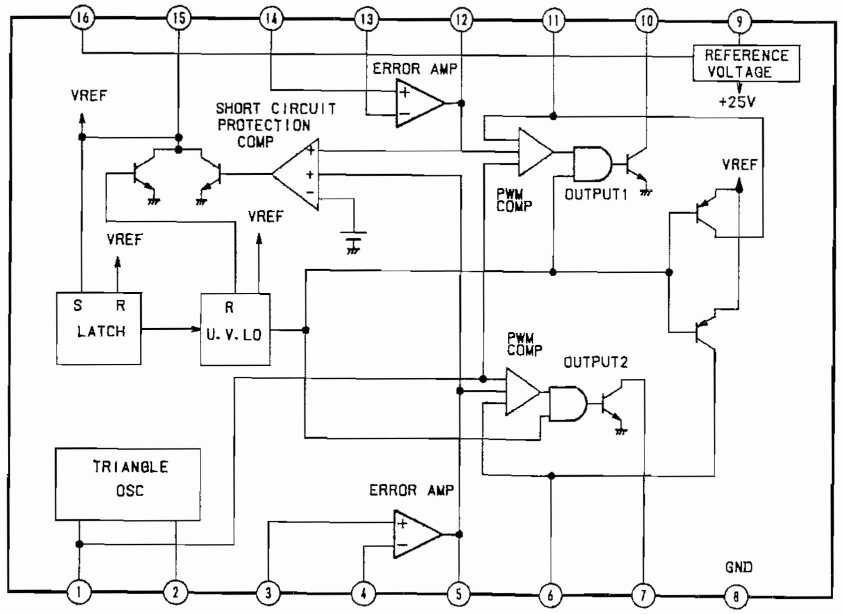
TL1451


REFERENCE VOLTAGE
+25V
ERROR AMP
SHORT CIRCUIT PROTECTION COMP
VREF
PWM COMP
OUTPUT1
OUTPUT2
S R LATCH
R U.V.LO
TRIANGLE OSC
ERROR AMP
GND
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

SECTION 3
DIAGRAM

3-1. MOUNTING DIAGRAM

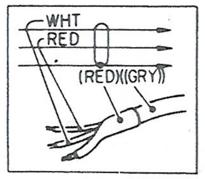
- Refer to Page 14 Semiconductor Lead Layouts

- Semiconductor Location

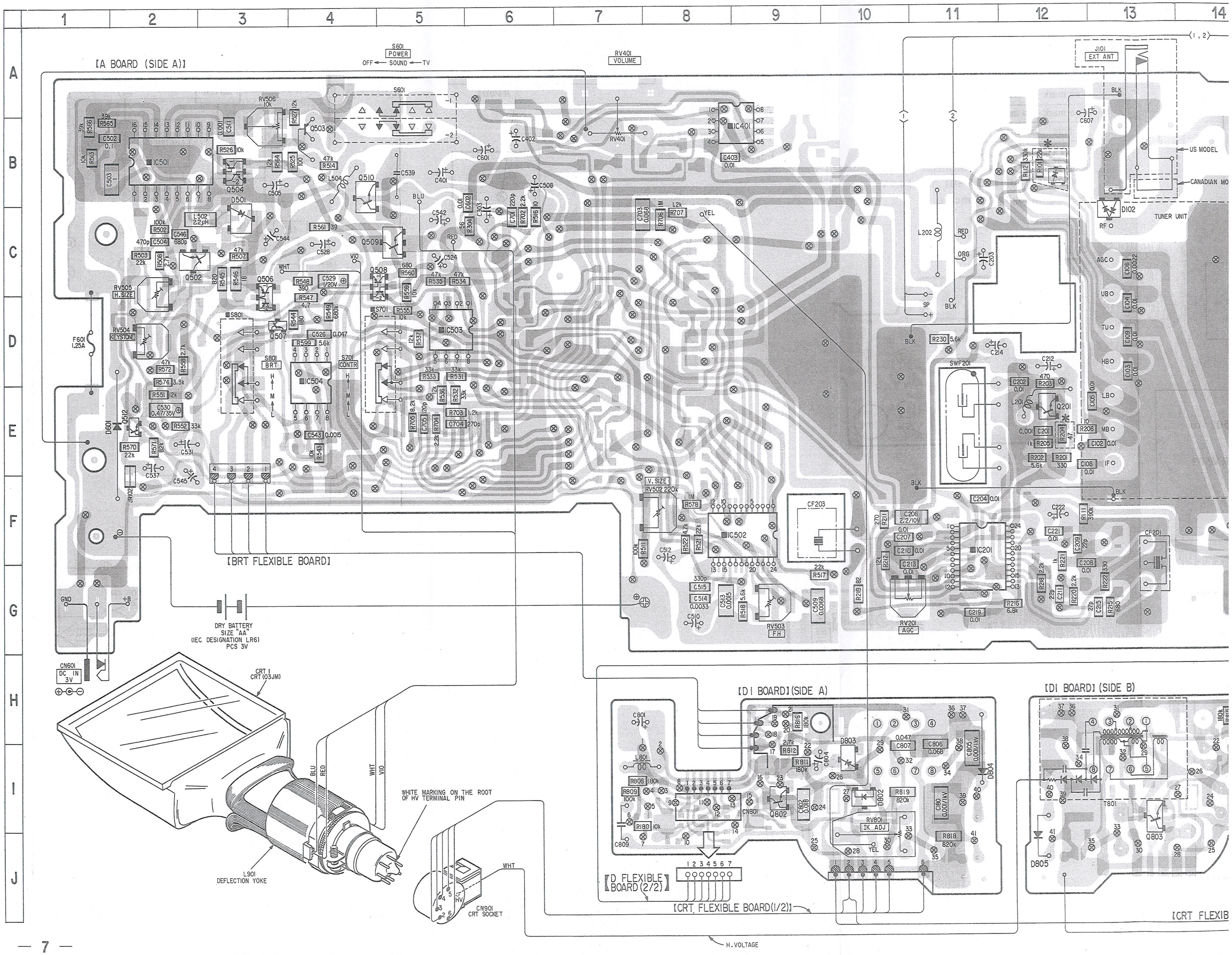
Ref.No.	Location
D102	C−13
D301	C−23
D501	B−3
D504	C−26
D601	E−2
D602	G−26
D603	F−27
D801	I−14
D802	I−9
D803	I−10
D804	I−11
D805	J−11
IC201	F−11
IC401	B−8
IC501	B−2
IC502	F−8
IC503	D−5
IC504	D−4
IC505	D−27
Q201	E−12
Q301	C−21
Q302	C−23
Q501	C−26
Q502	C−2
Q503	B−4
Q504	B−3
Q505	E−22
Q506	C−3
Q507	D−3
Q508	C−4
Q509	C−5
Q510	B−4
Q511	C−26
Q512	E−2
Q601	G−26
Q602	G−27
Q801	I−15
Q802	I−9
Q803	I−13
Q804	I−16

Note:

Color code of sleeving over the end of the jacket.


WHT
RED
(RED)(GRY)

- ○—— : parts extracted from the component side.
- ●—— : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- [ ]← : indicates side identified with part number.
- ⊗ : Through hole.
- ✻: When replacing the tuner unit (1-463-911-11, -21 → 1-463-911-12, -22) remove D101, R101 and change R204 from 82 to 47.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A
B
C
D
E
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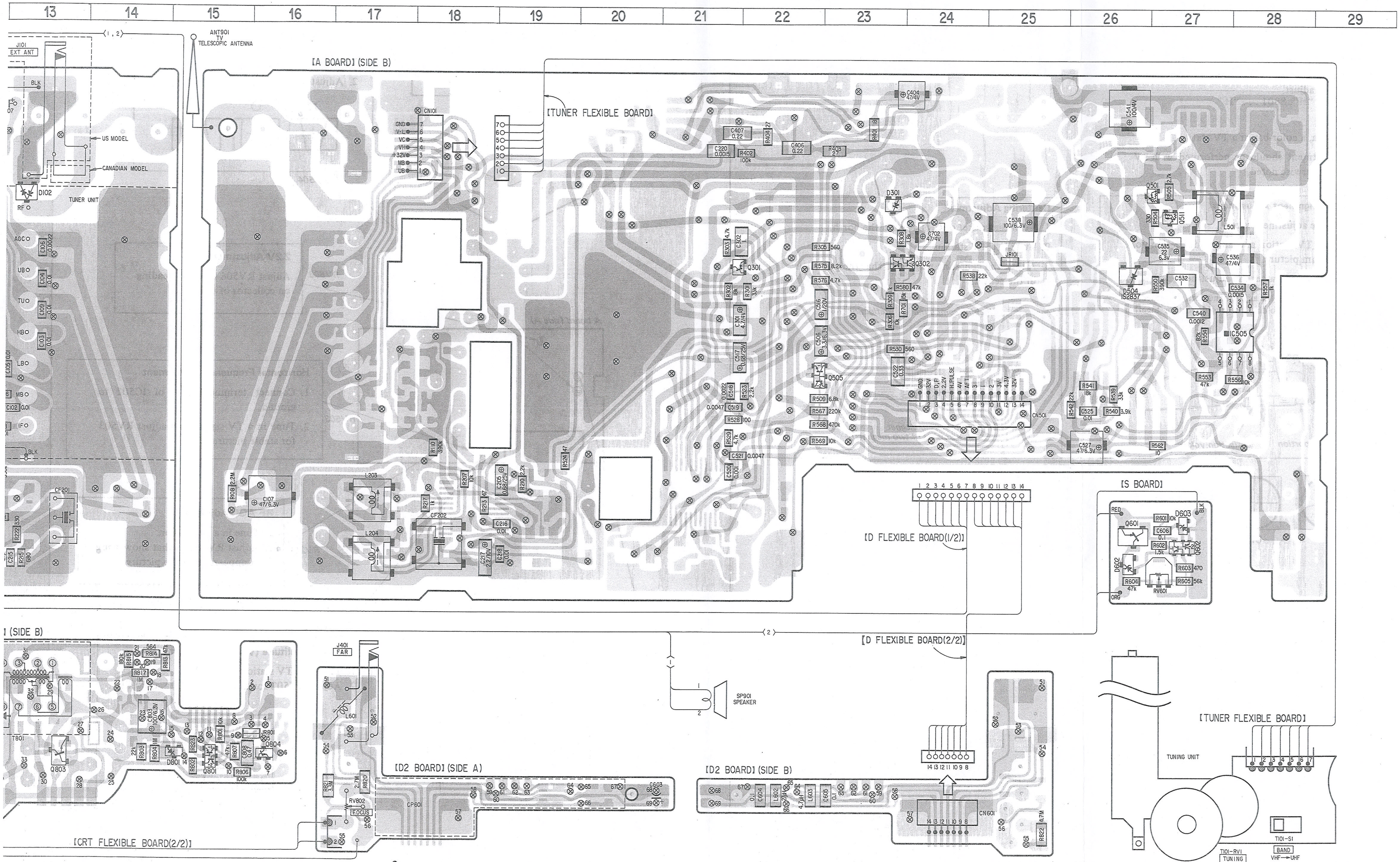
H
I
J
[A BOARD (SIDE A)]
S601 POWER
OFF ← SOUND → TV
RV401 VOLUME
J101 EXT ANT
US MODEL
CANADIAN MO
TUNER UNIT
IC501
IC401
IC503
IC504
IC502
IC201
RV505 H.SIZE
RV504 KEYSTONE
S801 BRT
S701 CONTR
F601 1.25A
V.SIZE RV502
RV503 F.H
RV201 AGC
SWF201
CF203
CF201
[BRT FLEXIBLE BOARD]
DRY BATTERY SIZE "AA" (IEC DESIGNATION LR6) PCS 3V
GND
+B
CN601 DC IN 3V
CRT1 CRT (03JM)
L901 DEFLECTION YOKE
WHITE MARKING ON THE ROOT OF HV TERMINAL PIN
CN901 CRT SOCKET
BLU
RED
WHT
VIO
[D1 BOARD] (SIDE A)
[D1 BOARD] (SIDE B)
RV801 IK ADJ
[D FLEXIBLE BOARD (2/2)]
[CRT FLEXIBLE BOARD(1/2)]
[CRT FLEXIB
H.VOLTAGE
T801
CN801


13
14
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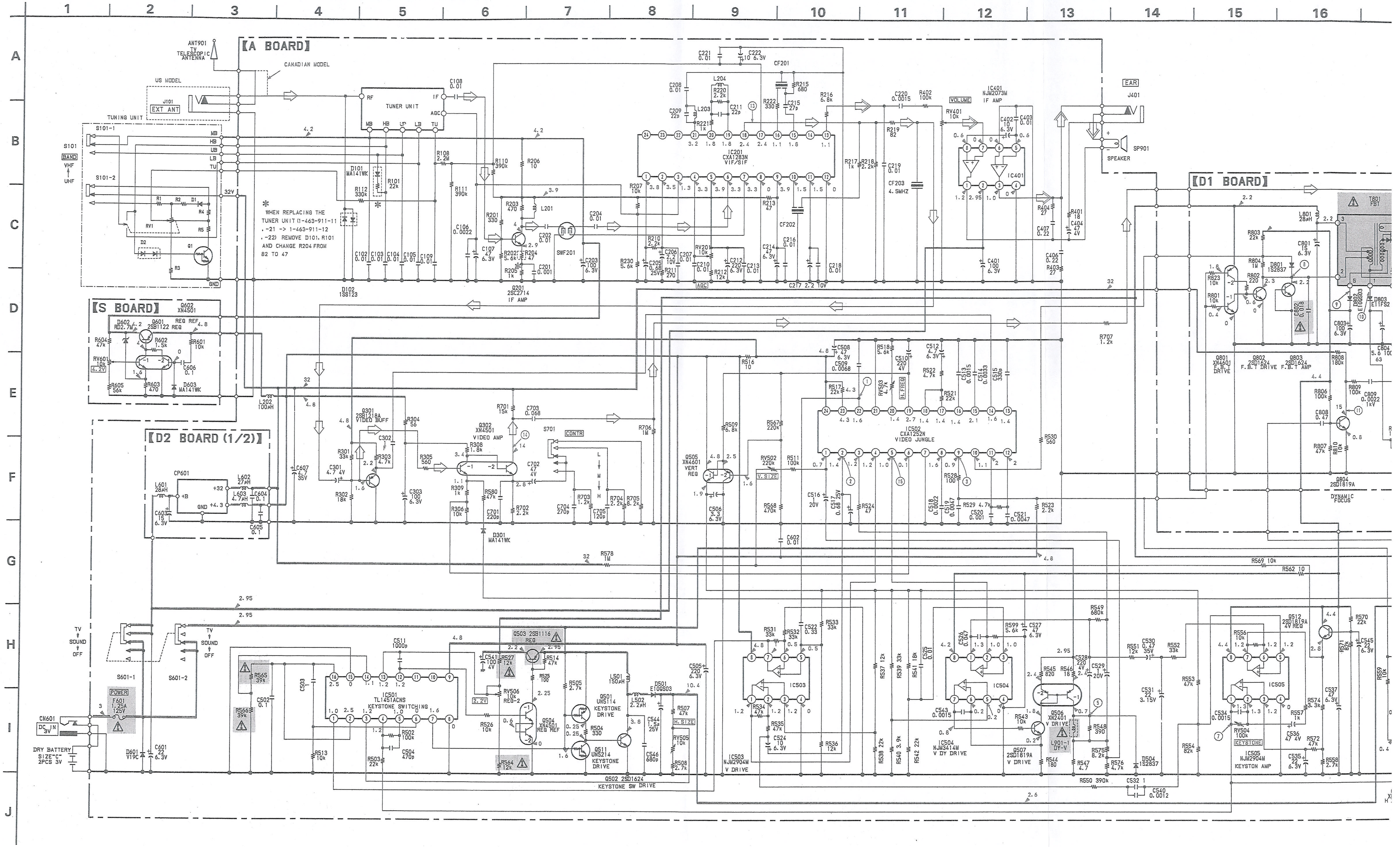
18
19
20
21
22
23
24
25
26
27
28
29
J101 EXT ANT
ANT901 TV TELESCOPIC ANTENNA
[A BOARD] (SIDE B)
[TUNER FLEXIBLE BOARD]
US MODEL
CANADIAN MODEL
TUNER UNIT
BLK
RF
D102
AGC
UB
TU
HB
LB
MB
IF
CN101
GND
V-L
VC
VH
+32V
MB
UB
C407 0.22
C220 0.0015
R402 100k
C406 0.22
R403 2.7
C404 47/4V
C541 100/4V
D301
C538 100/6.3V
C702 47/4V
Q501
Q511
L501
C535 22 6.3V
C536 47/4V
Q301
Q302
JR101
D504 1S2837
C532
C534 0.0015
C540 0.0012
IC505
R553 47k
R556 10k
Q505
CN501
GND
32V
0.1P
2.2V
H.PULSE
4V
AFT
3V
4.3V
32V
C525 0.01
C527 47/6.3V
R562 10
L203
L204
CF202
CF201
C107 47/6.3V
C216 0.01
C217 2.2/10V
C218 0.01
[S BOARD]
RED
BLK
ORG
Q601
D603
D602
RV601
[D FLEXIBLE BOARD(1/2)]
[D FLEXIBLE BOARD(2/2)]
SP901 SPEAKER
(SIDE B)
T801
Q803
D801
Q801
Q804
JR801
J401 EAR
L601
RV802
FOCUS
[D2 BOARD] (SIDE A)
CP601
[D2 BOARD] (SIDE B)
CN601
[CRT FLEXIBLE BOARD(2/2)]
TUNING UNIT
T101-RV1 TUNING
T101-S1
BAND VHF→UHF

3-2. SCHEMATIC DIAGRAM

- Refer to page 14 for VHF/UHF TUNER UNIT schematic diagram and page 15 for waveforms.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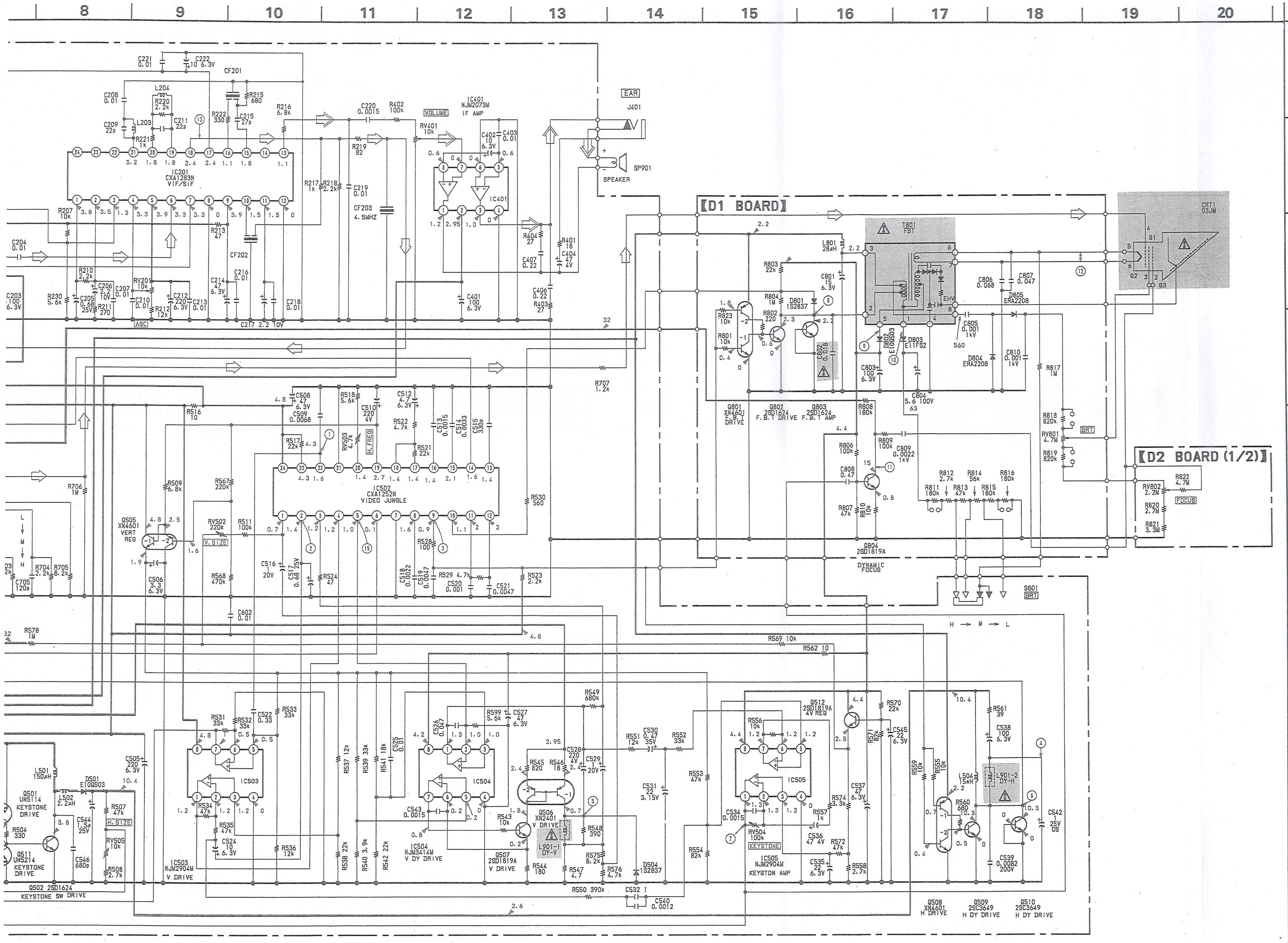
C
D
E
F
G
H
I
J
【A BOARD】
【S BOARD】
【D2 BOARD (1/2)】
【D1 BOARD】
ANT901 TV TELESCOPIC ANTENNA
CANADIAN MODEL
US MODEL
J101 EXT ANT
TUNING UNIT
TUNER UNIT
S101 BAND VHF UHF
S101-1
S101-2
D101 MA141WK
D102 1SS123
Q201 2SC2714 IF AMP
SWF201
IC201 CXA1283N VIF/SIF
CF201
CF202
CF203 4.5MHZ
IC401 NJM2073M IF AMP
VOLUME
RV401 10k
J401 EAR
SP901 SPEAKER
WHEN REPLACING THE TUNER UNIT (1-463-911-11 , -21 -> 1-463-911-12 , -22) REMOVE D101, R101 AND CHANGE R204 FROM 82 TO 47
Q602 XN4501
Q601 2SB1122 REG
D602 RD2.7M
D603 MA141WK
RV601 10k 4.2V
CP601
L202 100μH
Q301 2SB1218A VIDEO BUFF
Q302 XN4501 VIDEO AMP
S701 CONTR
D301 MA141WK
Q505 XN4601 VERT REG
V.SIZE
IC502 CXA1252N VIDEO JUNGLE
H.FREQ
Q801 XN4601 F.B.T DRIVE
Q802 2SD1624 F.B.T DRIVE
Q803 2SD1624 F.B.T AMP
Q804 2SD1819A DYNAMIC FOCUS
T801 FBT
D801 1S2837
L801 28μH
D803 E11FS2
S601-1
S601-2
TV SOUND OFF
POWER
F601 1.25A 125V
CN601 DC IN 3V
DRY BATTERY SIZE "C" 2PCS 3V
D601 V19C
IC501 TL1451ACNS KEYSTONE SWITCHING
Q503 2SB1116 REG
RV506 10k REG-2
Q504 XN4501 REG REF
Q501 UN5114 KEYSTONE DRIVE
Q511 UN5214 KEYSTONE DRIVE
Q502 2SD1624 KEYSTONE SW DRIVE
L501 150μH
L502 2.2μH
D501 E10QS03
H.SIZE
RV505 10k
IC503 NJM2904M V DRIVE
IC504 NJM3414M V DRIVE
Q506 XN2401 V DRIVE
Q507 2SD1819A V DRIVE
L901-1 DY-V
D504 1S2837
Q512 2SD1819A 4V REG
IC505 NJM2904M KEYSTON AMP
RV504 100k KEYSTONE


8
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11
12
13
14
15
16
17
18
19
20
IC201
CXA1283N
VIF/SIF
IC401
NJM2073M
IF AMP
VOLUME
RV401
EAR
J401
SPEAKER
SP901
CF201
CF202
CF203
4.5MHZ
ABC
【D1 BOARD】
T801
FBT
CRT1
03JM
L801
28μH
D801
1S2837
D802
E10QS03
D803
E11FS2
D804
ERA2208
D805
ERA2208
Q801
XN4601
F.B.T DRIVE
Q802
2SD1624
F.B.T DRIVE
Q803
2SD1624
F.B.T AMP
Q804
2SD1819A
DYNAMIC FOCUS
BRT
RV801
4.7M
S801
BRT
H → M → L
【D2 BOARD (1/2)】
RV802
2.2M
FOCUS
IC502
CXA1252N
VIDEO JUNGLE
H.FREQ
V.SIZE
Q505
XN4601
VERT REG
R569 10k
R562 10
R707
1.2k
R578
1M
L501
150μH
D501
E10QS03
Q501
UN5114
KEYSTONE DRIVE
Q511
UN5214
KEYSTONE DRIVE
Q502 2SD1624
KEYSTONE SW DRIVE
L502
2.2μH
H.SIZE
RV505
10k
IC503
NJM2904M
V DRIVE
IC504
NJM3414M
V DY DRIVE
Q506
XN2401
V DRIVE
Q507
2SD1819A
V DRIVE
L901-1
DY-V
D504
1S2837
IC505
NJM2904M
KEYSTON AMP
RV504
100k
KEYSTONE
Q512
2SD1819A
4V REG
L504
15mH
L901-2
DY-H
Q508
XN4601
H DRIVE
Q509
2SC3649
H DY DRIVE
Q510
2SC3649
H DY DRIVE
A
B
C
D
E
F
G
H
I
J

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in Ω and ¼W or less unless otherwis specified.
- △ : internal component.
- (%) : indicates tolerances.
- ▬ : B+ bus.
- ☐ : adjustment for repair.
- Power voltage is 3V DC and fed with regulated dc powe supply from battery terminal.
- Voltages are dc with respect to ground no-signal (detuned conditions with VOM (DC 50kΩ/V).
- Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken to ground in color-bar signal inpu conditions by using oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Total current is measured under no-signal conditions.
- ⇨ : signal path
- **Switch**

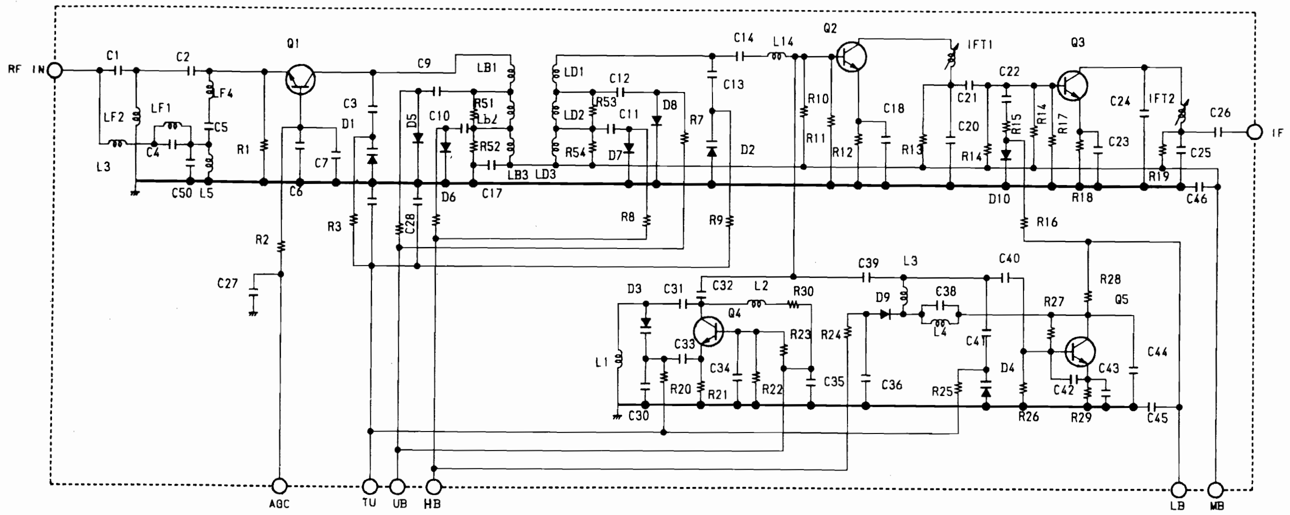
Ref. No.	Switch	Position
S601	POWER	TV
S701	CONTR	L
S801	BRT	VHF

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

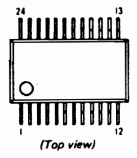
The VHF/UHF tuner unit is carefully adjusted at the factory and is supplied as one whole block for replacement.

3-3. VHF/UHF TUNER UNIT SCHEMATIC DIAGRAM

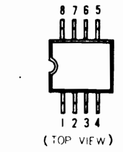

RF IN
IF OUT
AGC
TU
UB
HB
LB
MB
Q1
Q2
Q3
Q4
Q5
IFT1
IFT2
LB1
LB3
LD1
LD2
LD3
LF1
LF2
LF4
L1
L2
L3
L4
L5
L14
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10

- **Semiconductor Lead Layouts**

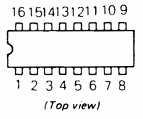
CXA1252N
CXA1283N


24
13
1
12
(Top view)

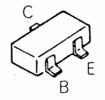
NJM2073M
NJM2904M
NJM3414M


8 7 6 5
1 2 3 4
(TOP VIEW)

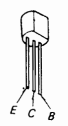
TL1451ACNS


16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8
(Top view)

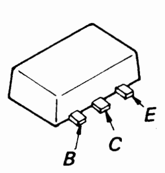
2SA1602
2SC2714R
2SC4154
UN5114
UN5214



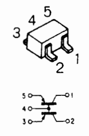
2SB1116



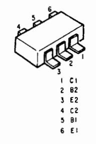
2SB1122-T
2SD1624-T
2SC3649-S



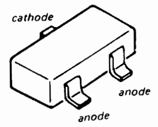
XN2401



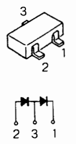
XN4501
XN4601



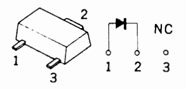
IS2837


cathode
anode
anode

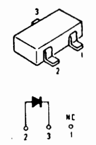
ISS123



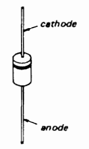
E10ES03
E10QS04



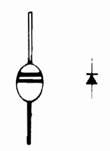
E11FS2
MA141WK
RD2.7M-B2



ERA22-08

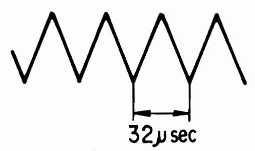

cathode
anode

V19G



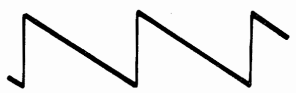
- **Waveforms**

①



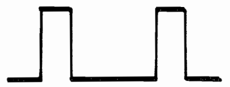
0.44V p-p

②



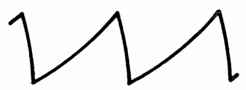
0.4Vp-p(V)

③



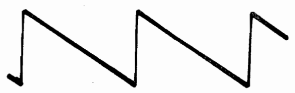
3.5Vp-p(H)

④



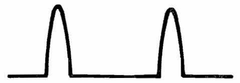
4.4Vp-p(V)

⑤



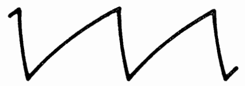
4.5Vp-p(V)

⑥



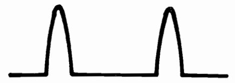
96Vp-p(H)

⑦



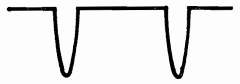
1.2Vp-p(V)

⑧



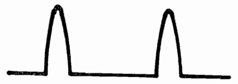
37Vp-p(H)

⑨



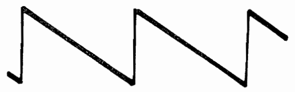
60Vp-p(H)

⑩



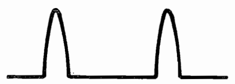
44Vp-p(H)

⑪



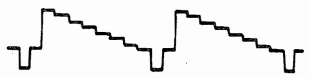
34Vp-p(V)

⑫



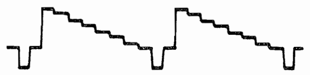
2Vp-p(H)

⑬



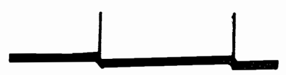
1Vp-p(H)

⑭



27Vp-p(H)

⑮

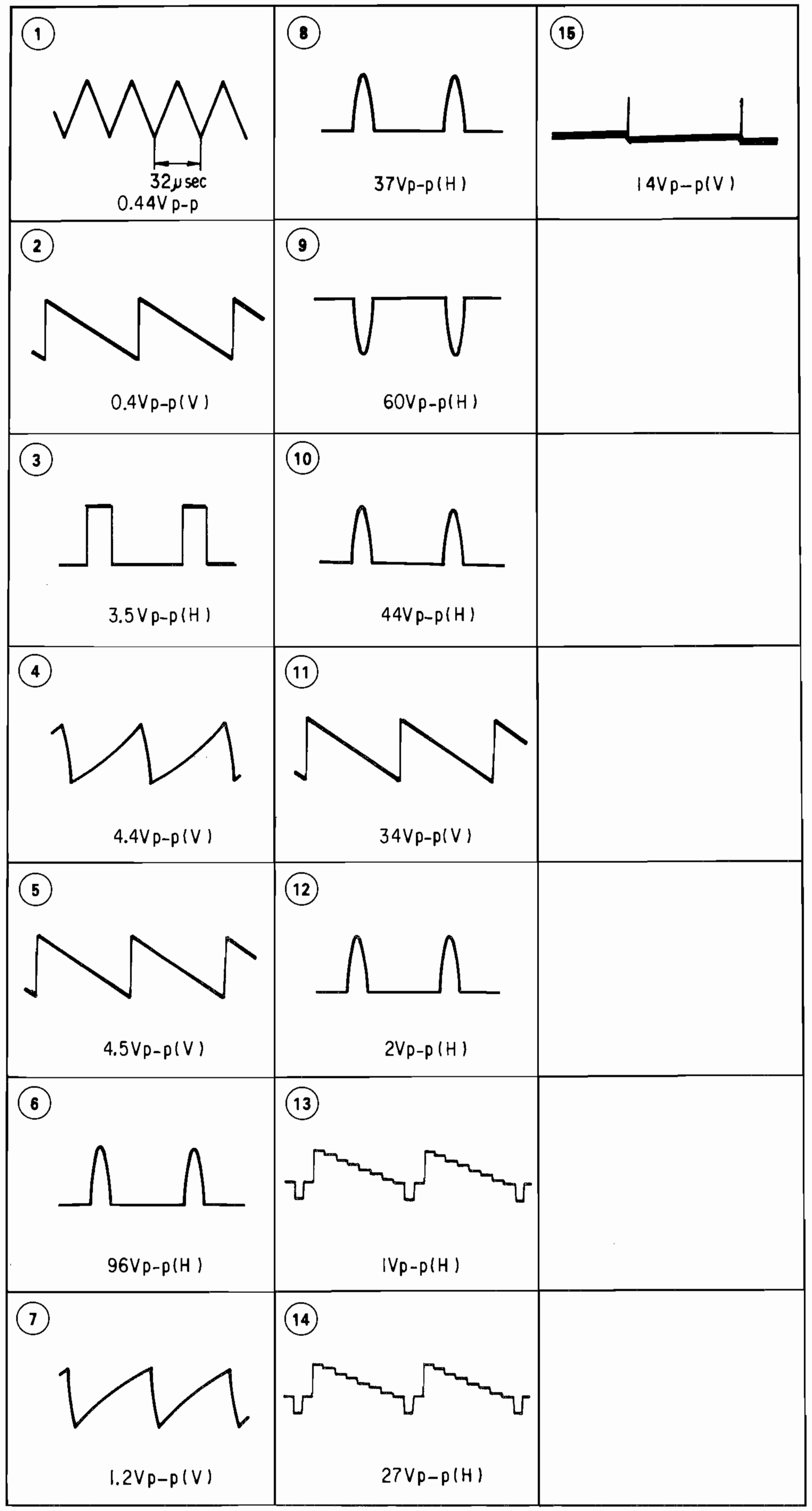


14Vp-p(V)

NOTE:
- The mechanical p
number in the ex
supplied.
- Items marked "★
they are seldom
service. Some d
pated when order

No.	Part
1	3-342
2	3-703
4	3-342
5	*3-342
6	9-911
7	3-342 3-342 3-342
8	3-314
9	3-342
10	*X-334
11	*3-342
12	*3-342
13	3-703 3-703
14	X-334 X-334 X-334 X-334
15	3-342
16	*3-342
17	3-342
18	3-831
19	9-911
20	3-342
21	3-831
22	3-314
24	3-318

- **Waveforms**

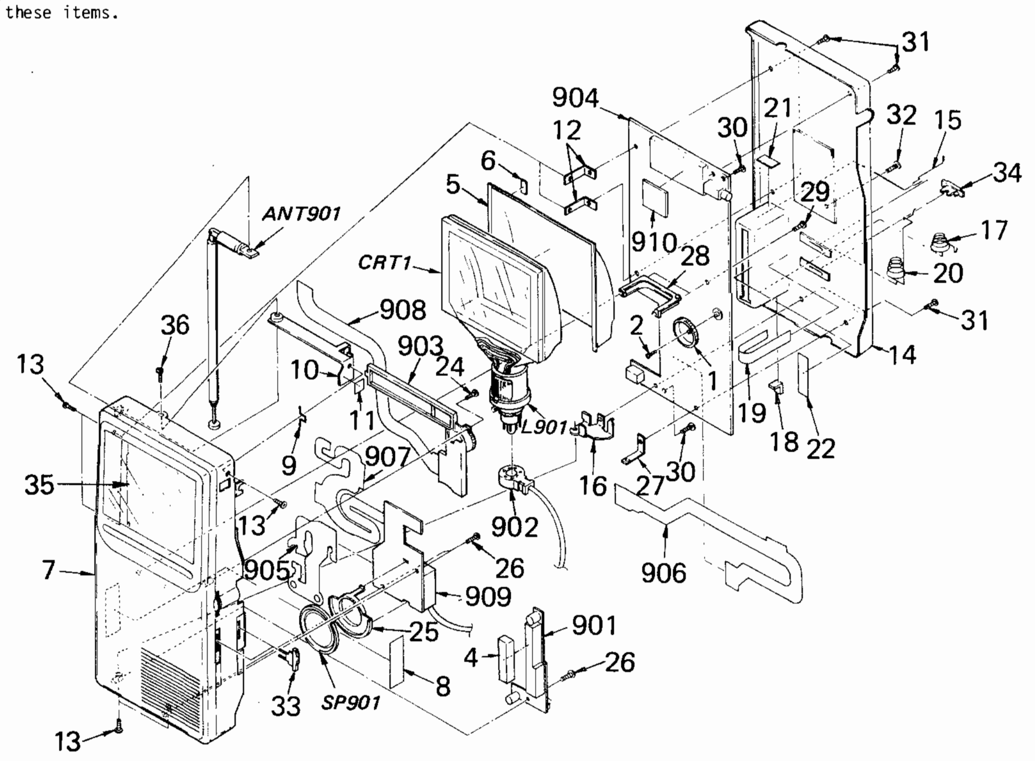

①
32µsec
0.44Vp-p
⑧
37Vp-p(H)
⑮
14Vp-p(V)
②
0.4Vp-p(V)
⑨
60Vp-p(H)
③
3.5Vp-p(H)
⑩
44Vp-p(H)
④
4.4Vp-p(V)
⑪
34Vp-p(V)
⑤
4.5Vp-p(V)
⑫
2Vp-p(H)
⑥
96Vp-p(H)
⑬
1Vp-p(H)
⑦
1.2Vp-p(V)
⑭
27Vp-p(H)

SECTION 4
EXPLODED VIEW AND PARTS LIST

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.


31
904
12
30
21
32
15
34
6
5
ANT901
29
17
910
28
20
CRT1
31
908
36
903
2
24
14
13
10
1
19
11
L901
18
22
9
907
30
16
27
35
13
902
906
905
26
7
909
25
901
4
26
8
33
SP901
13

No.	Part No.	Description	Remarks
1	3-342-711-01	KNOB (VOL)	
2	3-703-502-32	SCREW	
4	3-342-748-01	COVER (A), D/D CONVERTER	
5	*3-342-713-01	COVER, CRT	
6	9-911-839-XX	RUBER, (B)	
7	3-342-724-01	(BLACK)......CABINET (FRONT)	
	3-342-724-11	(BLUE).......CABINET (FRONT)	
	3-342-724-21	(WHITE)......CABINET (FRONT)	
8	3-314-062-00	LABEL, CAUTION, SERVICE	
9	3-342-720-01	SHAFT (STRAP)	
10	*X-3342-701-1	BRACKET ASSY, ANTENNA	
11	*3-342-709-01	SHEET, STRAP	
12	*3-342-717-01	BRACKET (A), CABINET	
13	3-703-502-31	(WHITE,BLUE)...SCREW	
	3-703-502-32	(BLACK)........SCREW	
14	X-3342-702-1	(BLACK)......CABINET (REAR) ASSY	
	X-3342-703-1	(BLUE).......CABINET (REAR) ASSY	
	X-3342-704-1	(WHITE)......CABINET (REAR) ASSY	
	X-3342-705-1	(Canadian)...CABINET (REAR) ASSY	
15	3-342-715-01	TERMINAL, PLUS	
16	*3-342-718-01	RETAINER, JACK	
17	3-342-723-01	SPRING	
18	3-831-441-XX	SPACER	
19	9-911-816-01	CLOTH, DRAWER, BATTERY	
20	3-342-714-01	SPRING	
21	3-831-441-11	CUSHION (B)	
22	3-314-057-00	CUSHION	
24	3-318-201-51	SCREW (B) (1.4X4), TAPPING	
25	3-342-706-01	HOLDER (SP)	
26	3-318-203-71	SCREW (B1.7X5), TAPPING	
27	*3-342-719-01	BRACKET (B), CABINET	
28	*3-342-707-01	BRACKET, CRT	
29	3-318-201-61	SCREW (B) (1.4X6), TAPPING	
30	7-627-553-37	SCREW, PRECISION +P 2X3	
31	3-703-502-71	(WHITE,BLUE)...SCREW (PWH 1.4X5)	
	3-703-502-72	(BLACK)........SCREW (PWH 1.4X5)	
32	3-318-203-01	(WHITE,BLUE)...SCREW (B 1.7X6), TAPPING	
	3-318-203-11	(BLACK)........SCREW (B 1.7X6), TAPPING	
33	3-342-712-01	KNOB (SW)	
34	3-332-211-11	KNOB, BAND SELECTION	
35	3-342-708-01	FILTER	
36	3-342-721-01	(WHITE,BLUE)...SCREW (M2), PWH, 0	
	3-342-721-11	(BLACK)........SCREW (M2), PWH, 0	
901	*1-624-332-11	PC BOARD, D2	
902	1-526-992-11	SOCKET, CRT	
903	1-464-865-11	TUNING UNIT	
904	A-3015-567-A	PC BOARD ASSY, A	
905	1-624-335-11	PC BOARD, CRT FLEXIBLE	
906	1-624-336-11	PC BOARD, BRT FLEXIBLE	
907	1-624-338-11	PC BOARD, (D) FLEXIBLE	
908	1-624-337-11	PC BOARD, TUNER FLEXIBLE	
909	A-3015-565-A	PC BOARD ASSY, D1	
910	*1-624-334-11	PC BOARD, S	
ANT901	1-501-391-11	(BLACK)........ANTENNA, TELESCOPIC	
ANT901	1-501-391-21	(WHITE,BLUE)...ANTENNA, TELESCOPIC	
CRT1	⚠ 8-733-321-01	CRT 03JM	
L901	⚠ 1-451-312-11	DEFLECTION YOKE	
SP901	1-503-737-11	SPEAKER	

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : u, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC,
UPD...: μPD...

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
901	*1-624-332-11	PC BOARO, D2			
902	1-526-992-11	SOCKET, CRT			
903	1-464-865-11	TUNING UNIT			
904	A-3015-567-A	PC BOARO ASSY, A			
905	1-624-335-11	PC BOARD, CRT FLEXIBLE			
906	1-624-336-11	PC BOARO, BRT FLEXIBLE			
907	1-624-338-11	PC BOARD, (O) FLEXIBLE			
908	1-624-337-11	PC BOARD, TUNER FLEXIBLE			
909	A-3015-565-A	PC BOARO ASSY, D1			
910	*1-624-334-11	PC BOARD, S			
911	1-463-911-12	(US)...TUNER UNIT			
	1-463-911-22	**(Canadian)....TUNER UNIT**			
912	1-566-539-11	CONNECTOR, FPC (NON ZIF) 7P			
913	1-566-539-11	CONNECTOR, FPC (NON ZIF) 7P			
914	1-566-927-11	HOUSING, CONECTOR (FPC) 7P			
915	1-566-928-11	HOUSING, CONECTOR (FPC) 14P			
ANT901	1-501-391-11	(BLACK)........ANTENNA, TELESCOPIC			
ANT901	1-501-391-21	(WHITE,BLUE)...ANTENNA, TELESCOPIC			
C102	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C103	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C104	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C105	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C106	1-162-966-11	CERAMIC CHIP	0.0022MF	10%	50V
C107	1-126-205-11	CAP ELECT	47MF	20%	6.3V
C108	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C109	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C201	1-162-964-11	CERAMIC CHIP	0.001MF	10%	50V
C202	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C203	1-124-225-00	ELECT	100MF	20%	6.3V
C204	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C205	1-135-146-21	TANTAL. CHIP	0.68MF	20%	25V
C206	1-135-149-21	TANTAL. CHIP	2.2MF	20%	10V
C207	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C208	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C209	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C210	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C211	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C212	1-124-635-00	ELECT	220MF	20%	6.3V
C213	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C214	1-124-224-00	ELECT	47MF	20%	6.3V
C215	1-162-946-11	CERAMIC CHIP	27PF	5%	50V
C216	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C217	1-135-149-21	TANTAL. CHIP	2.2MF	20%	10V
C218	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C219	1-162-974-11	CERAMIC CHIP	0.01MF		50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C220	1-163-209-00	CERAMIC CHIP	0.0015MF	10%	50V
C221	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C222	1-124-462-00	ELECT	10MF	20%	6.3V
C301	1-135-151-21	TANTAL. CHIP	4.7MF	20%	4V
C302	1-162-638-11	CERAMIC CHIP	1MF		16V
C303	1-124-225-00	ELECT	100MF	20%	6.3V
C401	1-124-225-00	ELECT	100MF	20%	6.3V
C402	1-124-462-00	ELECT	10MF	20%	6.3V
C403	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C404	1-126-208-11	CAP ELECT	47MF	20%	4V
C406	1-163-081-00	CERAMIC CHIP	0.22MF		25V
C407	1-163-081-00	CERAMIC CHIP	0.22MF		25V
C502	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C503	1-162-638-11	CERAMIC CHIP	1MF		16V
C504	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C505	1-124-635-00	ELECT	220MF	20%	6.3V
C506	1-135-150-21	TANTAL. CHIP	3.3MF	20%	6.3V
C508	1-126-310-41	ELECT	47MF	20%	6.3V
C509	1-164-112-11	CERAMIC CHIP	0.0068MF	5%	25V
C510	1-124-576-11	ELECT	220MF	20%	4V
C511	1-163-141-00	CERAMIC CHIP	0.001MF	10%	50V
C512	1-131-375-00	TANTALUM	4.7MF	10%	6.3V
C513	1-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V
C514	1-162-967-11	CERAMIC CHIP	0.0033MF	10%	50V
C515	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C516	1-135-147-21	TANTAL. CHIP	1MF	20%	20V
C517	1-135-146-21	TANTAL. CHIP	0.68MF	20%	25V
C518	1-162-966-11	CERAMIC CHIP	0.0022MF	10%	50V
C519	1-162-968-11	CERAMIC CHIP	0.0047MF	10%	50V
C520	1-162-964-11	CERAMIC CHIP	0.001MF	10%	50V
C521	1-162-968-11	CERAMIC CHIP	0.0047MF	10%	50V
C522	1-162-568-11	CERAMIC CHIP	0.33MF		25V
C524	1-124-462-00	ELECT	10MF	20%	6.3V
C525	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C526	1-163-035-00	CERAMIC CHIP	0.047MF	10%	25V
C527	1-126-205-11	CAP ELECT	47MF	20%	6.3V
C528	1-124-576-11	ELECT	220MF	20%	4V
C529	1-135-147-21	TANTAL. CHIP	1MF	20%	20V
C530	1-135-145-11	TANTAL. CHIP	0.47MF	20%	35V
C531	1-131-391-00	TANTALUM	22MF	20%	3.15V
C532	1-162-638-11	CERAMIC CHIP	1MF		16V
C534	1-162-965-11	CERAMIC CHIP	0.0015MF	10%	50V
C535	1-124-778-00	CAP ELECT	22MF	20%	6.3V
C536	1-126-208-11	CAP ELECT	47MF	20%	4V
C537	1-124-224-00	ELECT	47MF	20%	6.3V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C538	1-126-206-11	CAP ELECT	100MF	20%	6.3V
C539	1-106-365-00	MYLAR	0.0082MF	5%	200V
C540	1-163-143-00	CERAMIC CHIP	0.0012MF	10%	50V
C541	1-126-209-11	CAP ELECT	100MF	20%	4V
C542	1-127-506-00	ELECT(SOLID)	1MF	20%	25V
C543	1-162-965-11	CERAMIC CHIP	0.0015MF	10%	50V
C544	1-127-507-00	ELECT(SOLID)	1.5MF	20%	25V
C545	1-124-638-11	ELECT	22MF	20%	6.3V
C546	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C601	1-126-309-41	ELECT	22MF	20%	6.3V
C602	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C603	1-127-483-00	ELECT(SOLID)	15MF	20%	6.3V
C604	1-163-077-00	CERAMIC CHIP	0.1MF		50V
C605	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C606	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C607	1-124-245-00	ELECT	4.7MF	20%	35V
C701	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C702	1-126-208-11	CAP ELECT	47MF	20%	4V
C703	1-163-076-00	CERAMIC CHIP	0.068MF		50V
C704	1-162-958-11	CERAMIC CHIP	270PF	5%	50V
C705	1-162-954-11	CERAMIC CHIP	120PF	5%	50V
C801	1-127-483-00	ELECT(SOLID)	15MF	20%	6.3V
C802	⚠1-130-486-00	FILM	0.018MF	5%	50V
C803	1-126-206-11	CAP ELECT	100MF	20%	6.3V
C804	1-126-112-11	ELECT	5.6MF	20%	100V
C805	1-164-109-11	CERAMIC CHIP	0.001MF	10%	1KV
C806	1-164-111-11	CERAMIC CHIP	0.068MF	10%	100V
C807	1-163-831-00	CERAMIC CHIP	0.047MF	10%	100V
C808	1-162-637-11	CERAMIC CHIP	0.47MF		16V
C809	1-164-116-11	CERAMIC	0.0022MF	99%	1KV
C810	1-164-109-11	CERAMIC CHIP	0.001MF	10%	1KV
CF201	1-567-513-11	FILTER, CERAMIC			
CF202	1-567-937-11	FILTER, CERAMIC			
CF203	1-409-370-00	TRAP, CERAMIC 4.5MHZ			
CN601	1-507-850-00	JACK, EXTENTION POWER			
CP601	1-464-864-11	TRANSFORMER UNIT			
CRT1	⚠8-733-321-01	CRT 03JM			
D101	8-719-404-35	DIODE MA141WK			
D102	8-719-101-23	DIODE 1SS123			
D301	8-719-404-35	DIODE MA141WK			
D501	8-719-200-36	DIODE E10QS04			
D504	8-719-100-05	DIODE 1S2837			
D601	8-719-918-77	DIODE V19G			

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
D602	8-719-105-32	DIODE RD2.7M-B2			
D603	8-719-404-36	DIODE MA141WK			
D801	8-719-100-05	DIODE 1S2837			
D802	8-719-200-35	DIODE E10QS03			
D803	8-719-201-00	DIODE EI1FS2			
D804	8-719-948-45	DIODE ERA22-08			
D805	8-719-948-45	DIODE ERA22-08			
F601	⚠1-532-777-21	FUSE, MICRO (SECONDARY)			
IC201	8-759-605-79	IC CXA1283N			
IC401	8-759-701-02	IC NJM2073M			
IC501	8-759-937-36	IC TL1451ACNS			
IC502	8-759-605-58	IC CXA1252N			
IC503	8-759-701-01	IC NJM2904M			
IC504	8-759-701-24	IC NJM3414M			
IC505	8-759-701-01	IC NJM2904M			
J101	1-507-974-11	(US:SEARS)... JACK			
J401	1-507-974-11	JACK			
JR101	1-216-864-11	METAL GLAZE	0	5%	1/16W
JR102	1-216-864-11	METAL GLAZE	0	5%	1/16W
JR801	1-216-864-11	METAL GLAZE	0	5%	1/16W
L201	*1-422-240-11	COIL, AIR-CORE			
L202	1-408-575-00	INDUCTOR	100UH		
L203	1-404-772-21	TRANSFORMER, IF			
L204	1-404-772-21	TRANSFORMER, IF			
L501	1-410-955-21	INDUCTOR, SMALL TYPE			
L502	1-410-196-11	INDUCTOR CHIP 2.2UH			
L504	1-410-954-11	MICRO INDUCTOR			
L601	1-421-549-21	COIL, CHOKE 28UH			
L602	1-410-209-51	INDUCTOR CHIP 27UH			
L603	1-410-200-31	INDUCTOR CHIP 4.7UH			
L801	1-421-549-21	COIL, CHOKE 28UH			
L901	⚠1-451-312-11	DEFLECTION YOKE			
Q201	8-729-200-85	TRANSISTOR 2SC2714R			
Q301	8-729-602-36	TRANSISTOR 2SA1602			
Q302	8-729-402-81	TRANSISTOR XN4501			
Q501	8-729-402-96	TRANSISTOR UN5114			
Q502	8-729-808-42	TRANSISTOR 2SD1624-T			
Q503	⚠8-729-118-01	TRANSISTOR 2SB1116			
Q504	8-729-402-81	TRANSISTOR XN4501			
Q505	8-729-402-84	TRANSISTOR XN4601			
Q506	8-729-402-87	TRANSISTOR XN2401			
Q507	8-729-602-21	TRANSISTOR 2SC4154			
Q508	8-729-402-84	TRANSISTOR XN4601			
Q509	8-729-808-56	TRANSISTOR 2SC3649-S			

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ELECTRICAL PARTS

Ref.No.	Part No.	Description			
Q510	8-729-808-56	TRANSISTOR 2SC3649-S			
Q511	8-729-402-93	TRANSISTOR UN5214			
Q512	8-729-602-21	TRANSISTOR 2SC4154			
Q601	8-729-804-42	TRANSISTOR 2SB1122-T			
Q602	8-729-402-81	TRANSISTOR XN4501			
Q801	8-729-402-84	TRANSISTOR XN4601			
Q802	8-729-808-42	TRANSISTOR 2SD1624-T			
Q803	8-729-808-42	TRANSISTOR 2SD1624-T			
Q804	8-729-602-21	TRANSISTOR 2SC4154			
R101	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R108	1-216-861-11	METAL GLAZE	2.2M	5%	1/16W
R110	1-216-852-11	METAL GLAZE	390K	5%	1/16W
R111	1-216-852-11	METAL GLAZE	390K	5%	1/16W
R112	1-216-851-11	METAL GLAZE	330K	5%	1/16W
R201	1-216-815-11	METAL GLAZE	330	5%	1/16W
R202	1-216-830-11	METAL GLAZE	5.6K	5%	1/16W
R203	1-216-817-11	METAL GLAZE	470	5%	1/16W
R204	1-216-805-11	METAL GLAZE	47	5%	1/16W
R205	1-216-821-11	METAL GLAZE	1K	5%	1/16W
R206	1-216-797-11	METAL GLAZE	10	5%	1/16W
R207	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R210	1-216-825-11	METAL GLAZE	2.2K	5%	1/16W
R211	1-216-814-11	METAL GLAZE	270	5%	1/16W
R212	1-216-834-11	METAL GLAZE	12K	5%	1/16W
R213	1-216-805-11	METAL GLAZE	47	5%	1/16W
R215	1-216-819-11	METAL GLAZE	680	5%	1/16W
R216	1-216-831-11	METAL GLAZE	6.8K	5%	1/16W
R217	1-216-821-11	METAL GLAZE	1K	5%	1/16W
R218	1-216-825-11	METAL GLAZE	2.2K	5%	1/16W
R219	1-216-808-11	METAL GLAZE	82	5%	1/16W
R220	1-216-825-11	METAL GLAZE	2.2K	5%	1/16W
R221	1-216-821-11	METAL GLAZE	1K	5%	1/16W
R222	1-216-815-11	METAL GLAZE	330	5%	1/16W
R230	1-216-830-11	METAL GLAZE	5.6K	5%	1/16W
R301	1-216-839-11	METAL GLAZE	33K	5%	1/16W
R302	1-216-836-11	METAL GLAZE	18K	5%	1/16W
R303	1-216-829-11	METAL GLAZE	4.7K	5%	1/16W
R304	1-216-806-11	METAL GLAZE	56	5%	1/16W
R305	1-216-818-11	METAL GLAZE	560	5%	1/16W
R306	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R308	1-216-824-11	METAL GLAZE	1.8K	5%	1/16W
R309	1-216-821-11	METAL GLAZE	1K	5%	1/16W
R401	1-216-007-00	METAL GLAZE	18	5%	1/10W
R402	1-216-845-11	METAL GLAZE	100K	5%	1/16W
R403	1-216-011-00	METAL GLAZE	27	5%	1/10W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R404	1-216-802-11	METAL GLAZE	27	5%	1/16W
R502	1-216-845-11	METAL GLAZE	100K	5%	1/16W
R503	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R504	1-216-815-11	METAL GLAZE	330	5%	1/16W
R505	1-216-826-11	METAL GLAZE	2.7K	5%	1/16W
R507	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R508	1-216-826-11	METAL GLAZE	2.7K	5%	1/16W
R509	1-216-831-11	METAL GLAZE	6.8K	5%	1/16W
R511	1-216-845-11	METAL GLAZE	100K	5%	1/16W
R513	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R514	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R516	1-216-797-11	METAL GLAZE	10	5%	1/16W
R517	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R518	1-216-830-11	METAL GLAZE	5.6K	5%	1/16W
R521	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R522	1-216-829-11	METAL GLAZE	4.7K	5%	1/16W
R523	1-216-825-11	METAL GLAZE	2.2K	5%	1/16W
R524	1-216-805-11	METAL GLAZE	47	5%	1/16W
R525	1-216-809-11	METAL GLAZE	100	5%	1/16W
R526	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R527 ⚠	1-216-834-11	METAL GLAZE	12K	5%	1/16W
R528	1-216-809-11	METAL GLAZE	100	5%	1/16W
R529	1-216-829-11	METAL GLAZE	4.7K	5%	1/16W
R530	1-216-818-11	METAL GLAZE	560	5%	1/16W
R531	1-216-839-11	METAL GLAZE	33K	5%	1/16W
R532	1-216-839-11	METAL GLAZE	33K	5%	1/16W
R533	1-216-839-11	METAL GLAZE	33K	5%	1/16W
R534	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R535	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R536	1-216-834-11	METAL GLAZE	12K	5%	1/16W
R537	1-216-834-11	METAL GLAZE	12K	5%	1/16W
R538	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R539	1-216-839-11	METAL GLAZE	33K	5%	1/16W
R540	1-216-828-11	METAL GLAZE	3.9K	5%	1/16W
R541	1-216-836-11	METAL GLAZE	18K	5%	1/16W
R542	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R543	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R544	1-216-812-11	METAL GLAZE	180	5%	1/16W
R545	1-216-820-11	METAL GLAZE	820	5%	1/16W
R546	1-216-800-11	METAL GLAZE	18	5%	1/16W
R547	1-216-308-00	METAL GLAZE	4.7	5%	1/10W
R548	1-216-816-11	METAL GLAZE	390	5%	1/16W
R549	1-216-855-11	METAL GLAZE	680K	5%	1/16W
R550	1-216-852-11	METAL GLAZE	390K	5%	1/16W
R551	1-216-834-11	METAL GLAZE	12K	5%	1/16W

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ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R552	1-216-839-11	METAL GLAZE	33K	5%	1/16W
R553	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R554	1-216-844-11	METAL GLAZE	82K	5%	1/16W
R555	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R556	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R557	1-216-821-11	METAL GLAZE	1K	5%	1/16W
R558	1-216-826-11	METAL GLAZE	2.7K	5%	1/16W
R559	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R560	1-216-819-11	METAL GLAZE	680	5%	1/16W
R561	1-216-804-11	METAL GLAZE	39	5%	1/16W
R562	1-216-797-11	METAL GLAZE	10	5%	1/16W
R564	⚠1-216-834-11	METAL GLAZE	12K	5%	1/16W
R565	⚠1-216-840-11	METAL GLAZE	39K	5%	1/16W
R566	⚠1-216-840-11	METAL GLAZE	39K	5%	1/16W
R567	1-216-849-11	METAL GLAZE	220K	5%	1/16W
R568	1-216-853-11	METAL GLAZE	470K	5%	1/16W
R569	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R570	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R571	1-216-844-11	METAL GLAZE	82K	5%	1/16W
R572	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R574	1-216-827-11	METAL GLAZE	3.3K	5%	1/16W
R575	1-216-832-11	METAL GLAZE	8.2K	5%	1/16W
R576	1-216-829-11	METAL GLAZE	4.7K	5%	1/16W
R578	1-216-857-11	METAL GLAZE	1M	5%	1/16W
R580	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R599	1-216-830-11	METAL GLAZE	5.6W	5%	1/16W
R601	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R602	1-216-823-11	METAL GLAZE	1.5K	5%	1/16W
R603	1-216-817-11	METAL GLAZE	470	5%	1/16W
R604	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R605	1-216-842-11	METAL GLAZE	56K	5%	1/16W
R701	1-216-835-11	METAL GLAZE	15K	5%	1/16W
R702	1-216-825-11	METAL GLAZE	2.2K	5%	1/16W
R703	1-216-822-11	METAL GLAZE	1.2K	5%	1/16W
R704	1-216-825-11	METAL GLAZE	2.2K	5%	1/16W
R705	1-216-832-11	METAL GLAZE	8.2K	5%	1/16W
R706	1-216-857-11	METAL GLAZE	1M	5%	1/16W
R707	1-216-822-11	METAL GLAZE	1.2K	5%	1/16W
R801	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R802	1-216-813-11	METAL GLAZE	220	5%	1/16W
R803	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R804	1-216-857-11	METAL GLAZE	1M	5%	1/16W
R806	1-216-845-11	METAL GLAZE	100K	5%	1/16W
R807	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R808	1-216-848-11	METAL GLAZE	180K	5%	1/16W
R809	1-216-845-11	METAL GLAZE	100K	5%	1/16W
R810	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R811	1-216-848-11	METAL GLAZE	180K	5%	1/16W
R812	1-216-826-11	METAL GLAZE	2.7K	5%	1/16W
R813	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R814	1-216-842-11	METAL GLAZE	56K	5%	1/16W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R815	1-216-848-11	METAL GLAZE	180K	5%	1/16W
R816	1-216-848-11	METAL GLAZE	180K	5%	1/16W
R817	1-216-857-11	METAL GLAZE	1M	5%	1/16W
R818	1-216-268-00	METAL GLAZE	820K	5%	1/8W
R819	1-216-268-00	METAL GLAZE	820K	5%	1/8W
R820	1-216-280-00	METAL GLAZE	2.7M	5%	1/8W
R821	1-216-282-00	METAL GLAZE	3.3M	5%	1/8W
R822	1-216-286-00	METAL GLAZE	4.7M	5%	1/8W
R823	1-216-833-11	METAL GLAZE	10K	5%	1/16W
RV201	1-237-293-11	RES, ADJ, METAL GLAZE 10K			
RV401	1-230-939-11	RES, VAR, CARBON 10K (VOLUME)			
RV502	1-230-429-11	RES, ADJ, METAL GLAZE 220K			
RV503	1-230-602-11	RES, ADJ, METAL GLAZE 4.7K			
RV504	1-230-215-00	RES, ADJ METAL GLAZE 100K			
RV505	1-230-990-11	RES, ADJ, METAL GLAZE 10K			
RV506	1-237-293-11	RES, ADJ, METAL GLAZE 10K			
RV601	1-237-293-11	RES, ADJ, METAL GLAZE 10K			
RV801	1-237-899-11	RES, ADJ, METAL GLAZE 4.7M			
RV802	1-230-938-11	RES, ADJ (HIGH VOLTAGE) 2.2M			
S601	1-570-056-11	SWITCH, SLIDE (POWER)			
S701	1-570-402-11	SWITCH, SLIDE (CONTR)			
S801	1-570-402-11	SWITCH, SLIDE (BRT)			
SP901	1-503-737-11	SPEAKER			
SWF201	1-567-938-11	FILTER, CERAMIC (SURFACE WAVE)			
T801	⚠1-439-417-11	TRANSFORMER ASSY, FLYBACK			

ACCESSORY & PACKING MATERIAL

Part No.	Description
3-329-450-11	STRAP
3-333-303-01	BAG, PROTECTION
3-342-701-01	(US:SEARS)...INDIVIDUAL CARTON
3-342-730-01	(US).........INDIVIDUAL CARTON
3-742-732-01	(Canadian)...INDIVIDUAL CARTON
3-342-702-01	(US,SEARS)......CUSHION
3-342-731-01	(US,Canadian)...CUSHION
3-342-703-01	CUSHION, SPACER
3-342-728-01	CASE, CARRYING
3-703-916-01	LABEL, COLOR
3-703-923-01	LABEL, COLOR
3-764-866-21	(US:SEARS)...INSTRUCTION
3-769-569-21	(US:SEARS)...MANUAL, INSTRUCTION

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

TROUBLESHOOTING GUIDE

Symptom	Cause and/or remedy
The unit does not operate.	• The AC power adaptor or the car battery cord is disconnected (on AC or car battery operation). • Incorrect battery polarity. • Weak batteries.
Herringbone pattern, double images, stripes, too indistinct, etc.	• Improper tuning. • Improper antenna setting.
Dotted line or stripes.	• Often caused by interference from car ignition, neon signs, hair dryers, electric-rasors, etc. Adjust the telescopic antenna.
No sound from speaker.	• VOLUME is turned down completely.

9-953-012-11

Sony Corporation
Audio Group

English
87K0240-1
Printed in Japan
© 1987.10

FD-270

SONY

SERVICE MANUAL

US Model
Canadian Model

CORRECTION-1

File this correction with the service manual.

Page 16, 18 and Supplement-1 Page 13

INCORRECT	CORRECT
CRT1 ⚠8-733-321-01 CRT 03JM	⚠8-733-321-05 CRT 03JM

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Sony Corporation
Audio Group

English
88B0249-1
Printed in Japan
©1988.2
Published by A/V Engineering Service Dept.

FD-270

SONY

SERVICE MANUAL

US Model
Canadian Model

SUPPLEMENT-1

Patten layout has been changed on the units of serial numbers and later 58401 and later.

File this supplement with the service manual.

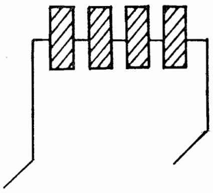
Repair Cautions :

When replacing the D1 or D2 board, also replace D1, D2, and BRT flexible boards.

Connecting the BRT flexible board and A board

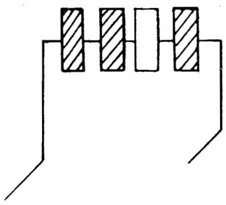
For old D1 board

Soldered at four positions.



For new D1 board

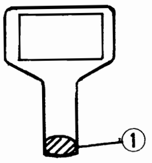
Solder at three positions.



Luminance (BRT) Adjustment

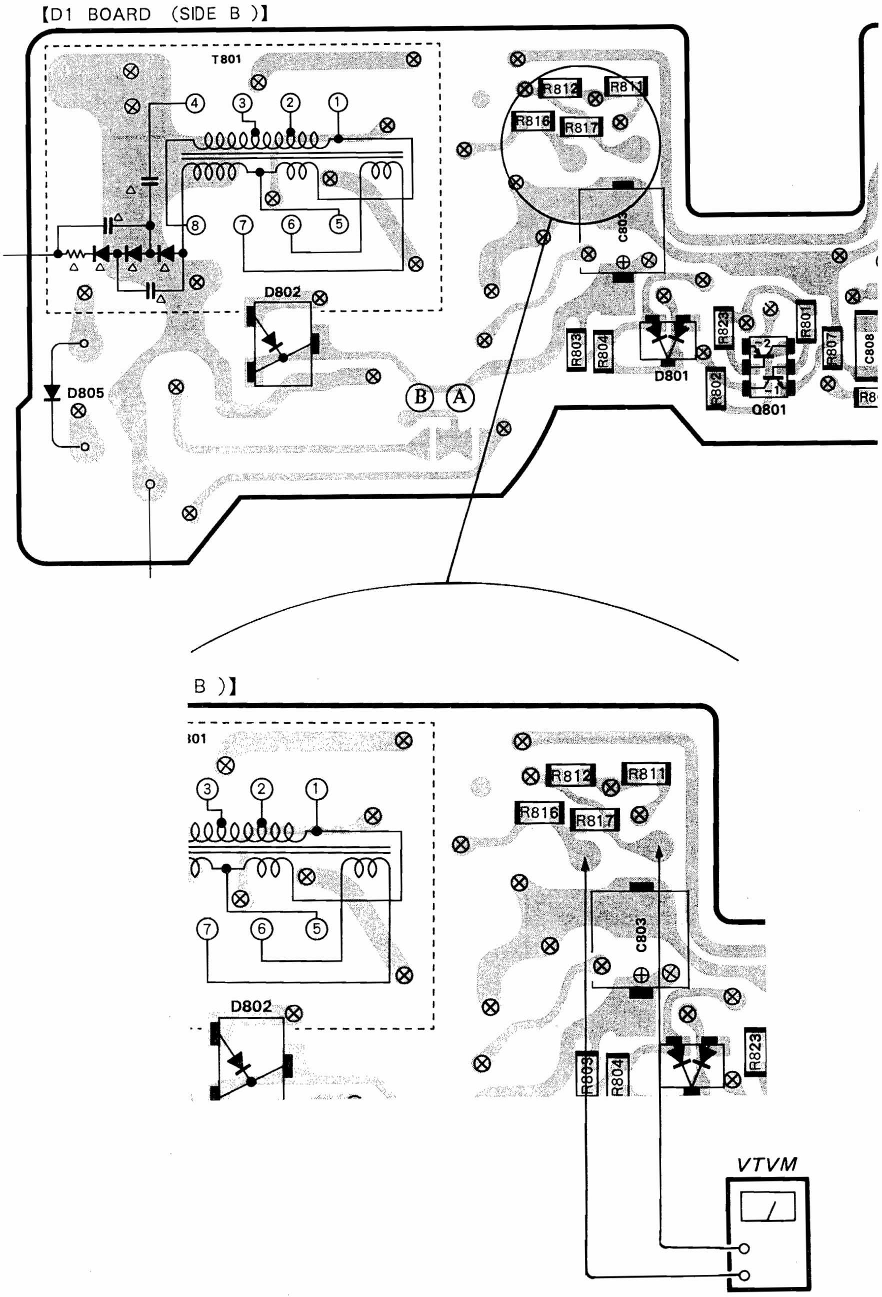
1. Bridge the pattern as shown at right according to the mark on the neck of the picture tube.

①	bridge
red	Ⓐ
no mark	Ⓑ
blue	Ⓑ

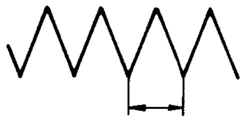
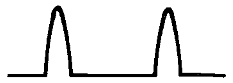
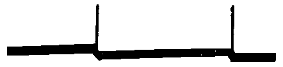
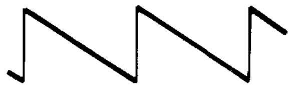
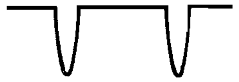
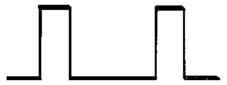
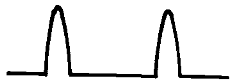
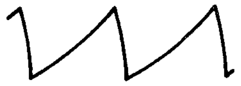
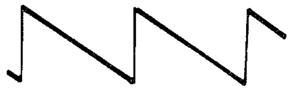
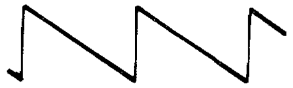
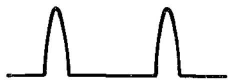
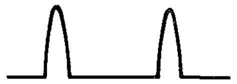
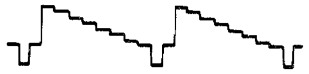
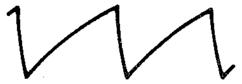
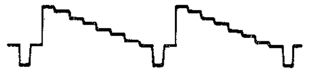


2. S701 (CONT)...H, S801 (BRT)...H
   Connect a digital voltmeter across R817 and adjust RV801 for 14.7V reading on digital voltmeter.

【D1 BOARD (SIDE B)】


T801
①
②
③
④
⑤
⑥
⑦
⑧
D802
D805
R812
R811
R816
R817
C803
R803
R804
R823
R801
R807
C808
R802
D801
Q801
Ⓑ
Ⓐ
B)】
VTVM

- **Waveforms**

①  0.44Vp-p	⑧  37Vp-p(H)	⑮  14Vp-p(V)
②  0.4Vp-p(V)	⑨  60Vp-p(H)	
③  3.5Vp-p(H)	⑩  44Vp-p(H)	
④  4.4Vp-p(V)	⑪  34Vp-p(V)	
⑤  4.5Vp-p(V)	⑫  2Vp-p(H)	
⑥  96Vp-p(H)	⑬  1Vp-p(H)	
⑦  1.2Vp-p(V)	⑭  27Vp-p(H)	

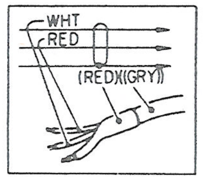
SECTION 3
DIAGRAMS

- **Semiconductor Location**

Ref.No.	Location
D102	B−10
D301	B−21
D501	B−3
D504	C−23
D601	D−2
D602	A−8
D603	B−9
D801	H−8
D802	H−6
D803	H−12
D804	H−14
D805	H−5
IC201	E−9
IC401	B−7
IC501	B−2
IC502	E−7
IC503	C−5
IC504	D−4
IC505	D−24
Q201	D−10
Q301	C−19
Q302	C−21
Q501	B−23
Q502	C−2
Q503	B−4
Q504	B−3
Q505	D−20
Q506	C−3
Q507	B−3
Q508	C−4
Q509	C−4
Q510	B−4
Q511	C−23
Q512	D−2
Q601	B−8
Q602	B−9
Q801	H−8
Q802	H−12
Q803	H−12
Q804	H−9

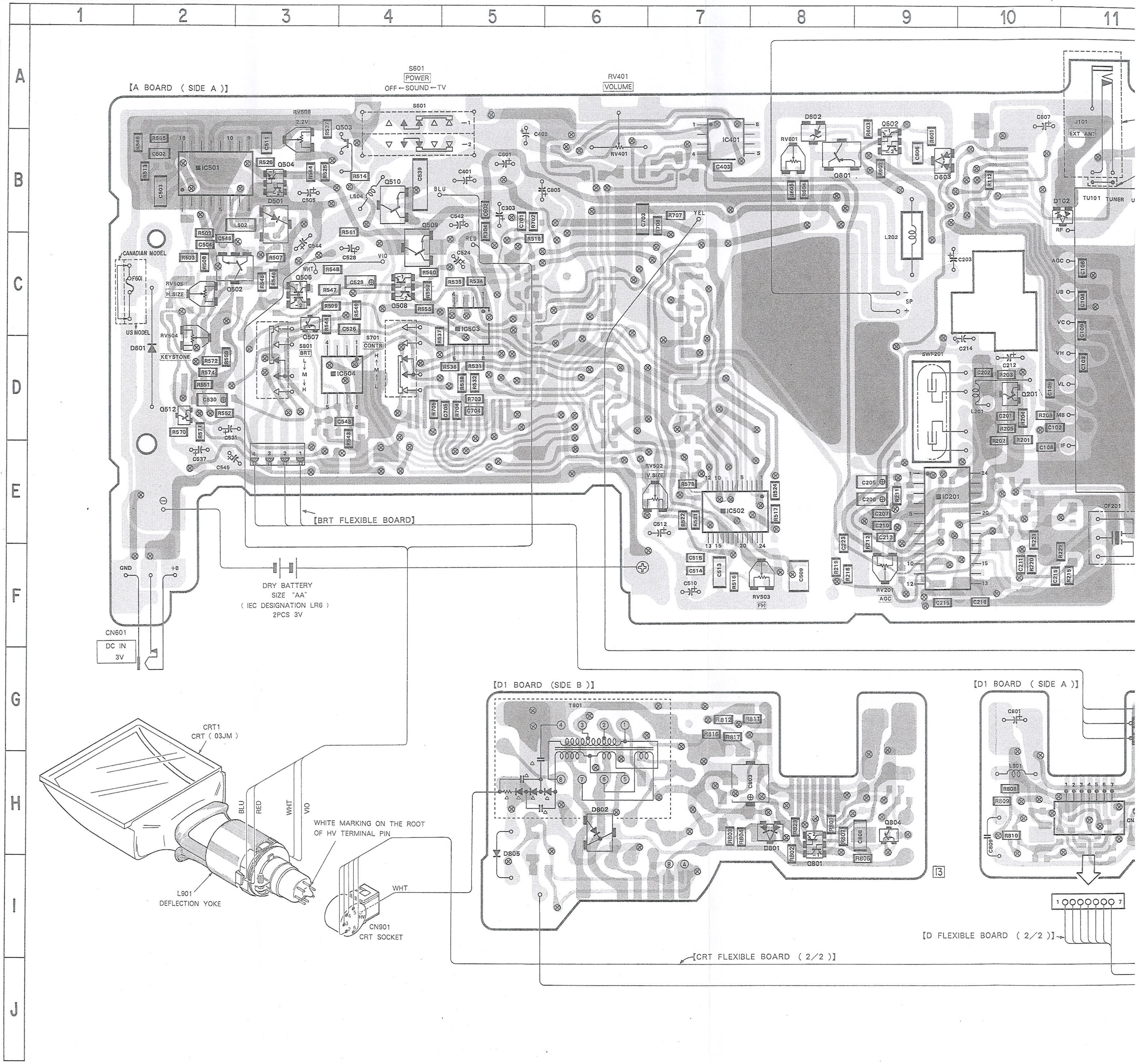
Note:

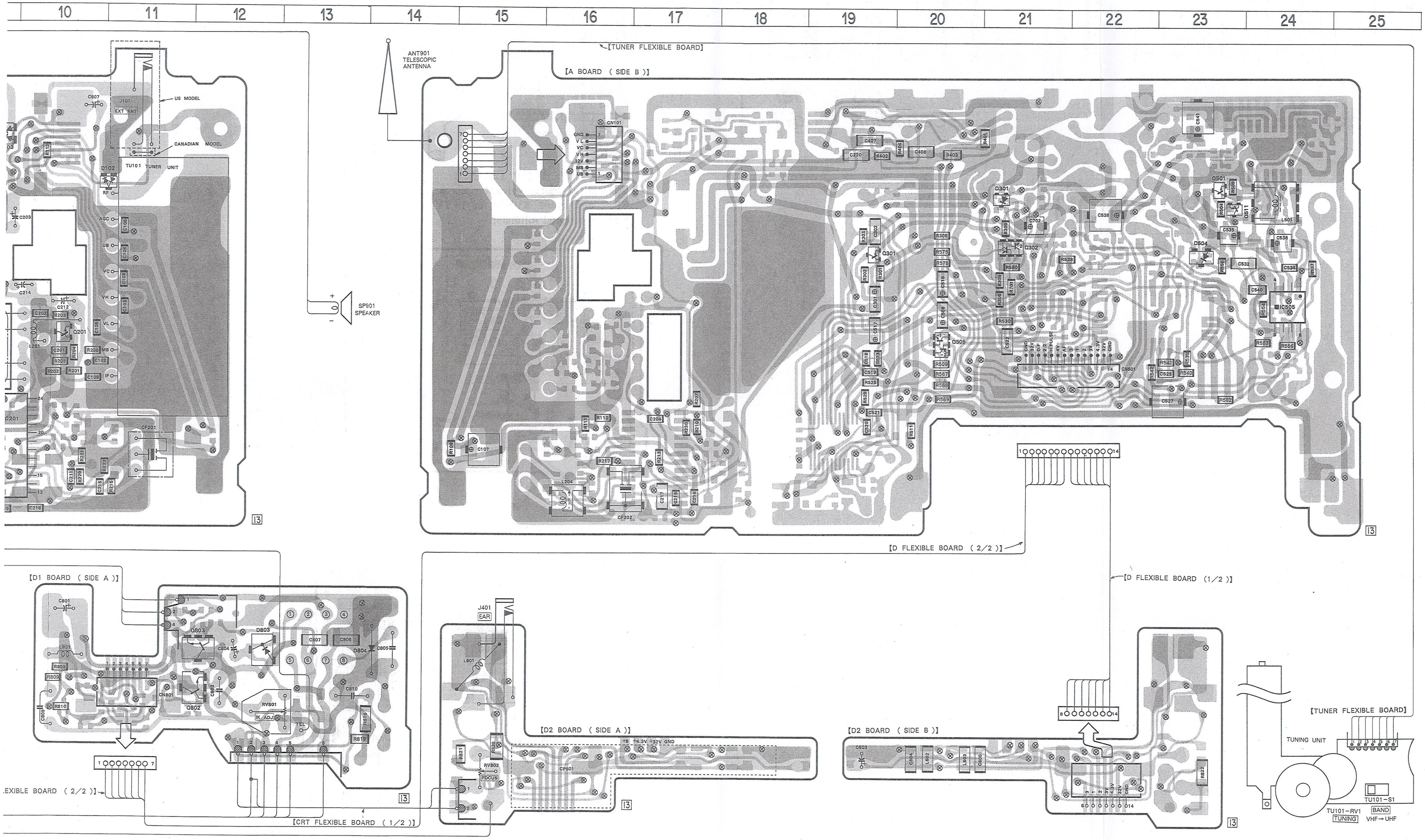
Color code of sleeving over the end of the jacket.


WHT
RED
(RED)(GRY)

- ○—: parts extracted from the component side.
- ●—: parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- ⬚ : indicates side identified with part number.
- ⊗ : Through hole.

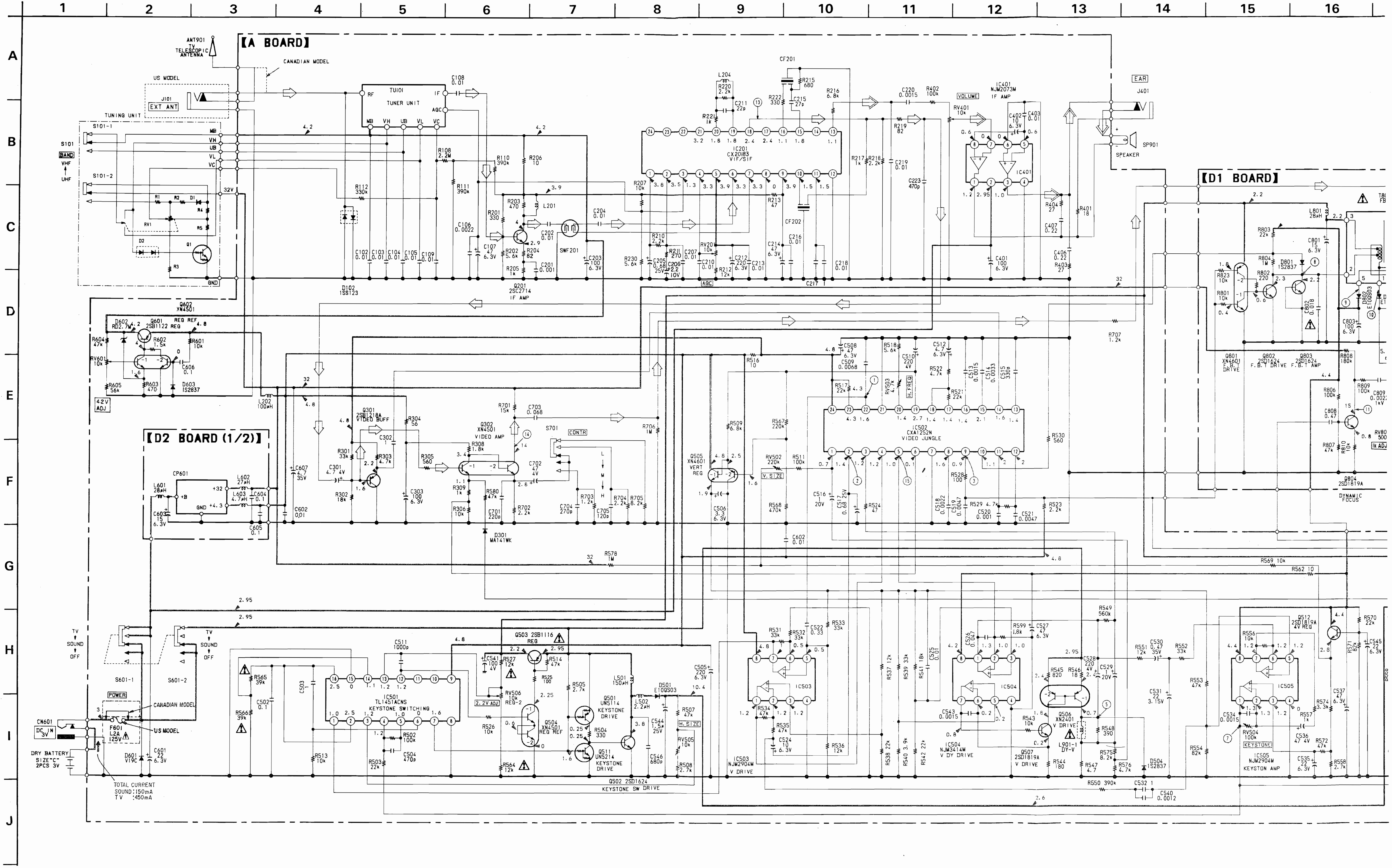
3-1. PRINTED WIRING BOARDS


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
I
J
[A BOARD (SIDE A)]
S601
POWER
OFF ← SOUND ← TV
RV401
VOLUME
IC501
IC502
IC503
IC504
IC401
IC201
Q501
Q502
Q503
Q504
Q506
Q507
Q508
Q509
Q510
Q512
Q601
Q602
Q201
D501
D601
D602
D603
D102
RV505
H.SIZE
RV504
KEYSTONE
RV502
V.SIZE
RV503
FH
RV201
AGC
RV601
S501
BRT
S701
CONTR
CANADIAN MODEL
US MODEL
F601
L202
L201
SWF201
CF201
J101
EXT ANT
TU101
TUNER
SP
AGC
UB
VCO
VH
VL
MB
IF
RF
BLU
RED
WHT
VIO
YEL
GND
+B
[BRT FLEXIBLE BOARD]
DRY BATTERY
SIZE "AA"
(IEC DESIGNATION LR6)
2PCS 3V
CN601
DC IN
3V
CRT1
CRT (03JM)
L901
DEFLECTION YOKE
WHITE MARKING ON THE ROOT
OF HV TERMINAL PIN
CN901
CRT SOCKET
[D1 BOARD (SIDE B)]
[D1 BOARD (SIDE A)]
T801
D801
D802
D805
Q801
Q804
L801
[D FLEXIBLE BOARD (2/2)]
[CRT FLEXIBLE BOARD (2/2)]


10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
[TUNER FLEXIBLE BOARD]
[A BOARD (SIDE B)]
ANT901
TELESCOPIC
ANTENNA
J101
EXT ANT
US MODEL
CANADIAN MODEL
TU101 TUNER UNIT
D102
RF
AGC
UB
VC
VH
VL
MB
IF
C607
C203
C214
C212
C202
R203
Q201
L201
C201
R201
R202
CF201
SP901
SPEAKER
CN101
GND
VL
VC
VH
32V
MB
UB
C107
R108
L204
CF202
R217
C407
C220
R402
C408
R403
R401
C541
Q501
R508
Q511
L501
D301
C702
Q302
Q301
D504
C532
C534
C538
C540
IC505
R553
R556
R305
R575
R576
R538
R580
R530
Q505
CN501
H.PULSE
R541
C525
R540
C527
R562
R509
R567
R586
R569
R528
C521
C519
R511
[D FLEXIBLE BOARD (2/2)]
[D FLEXIBLE BOARD (1/2)]
[D1 BOARD (SIDE A)]
C801
L802
R808
R809
R810
C809
CN801
Q803
Q802
C804
D803
C807
C808
D804
C805
C810
RV801
IK ADJ
YEL
R816
R819
[CRT FLEXIBLE BOARD (1/2)]
EXIBLE BOARD (2/2)]
J401
EAR
L601
R821
R820
RV802
FOCUS
CP601
[D2 BOARD (SIDE A)]
+6
+4.3V
+32V
GND
[D2 BOARD (SIDE B)]
C603
C604
L602
L603
C605
R822
[TUNER FLEXIBLE BOARD]
TUNING UNIT
TU101-RV1
TUNING
TU101-S1
BAND
VHF→UHF
13

3-2. SCHEMATIC DIAGRAM

- See page 4 for waveforms.


1
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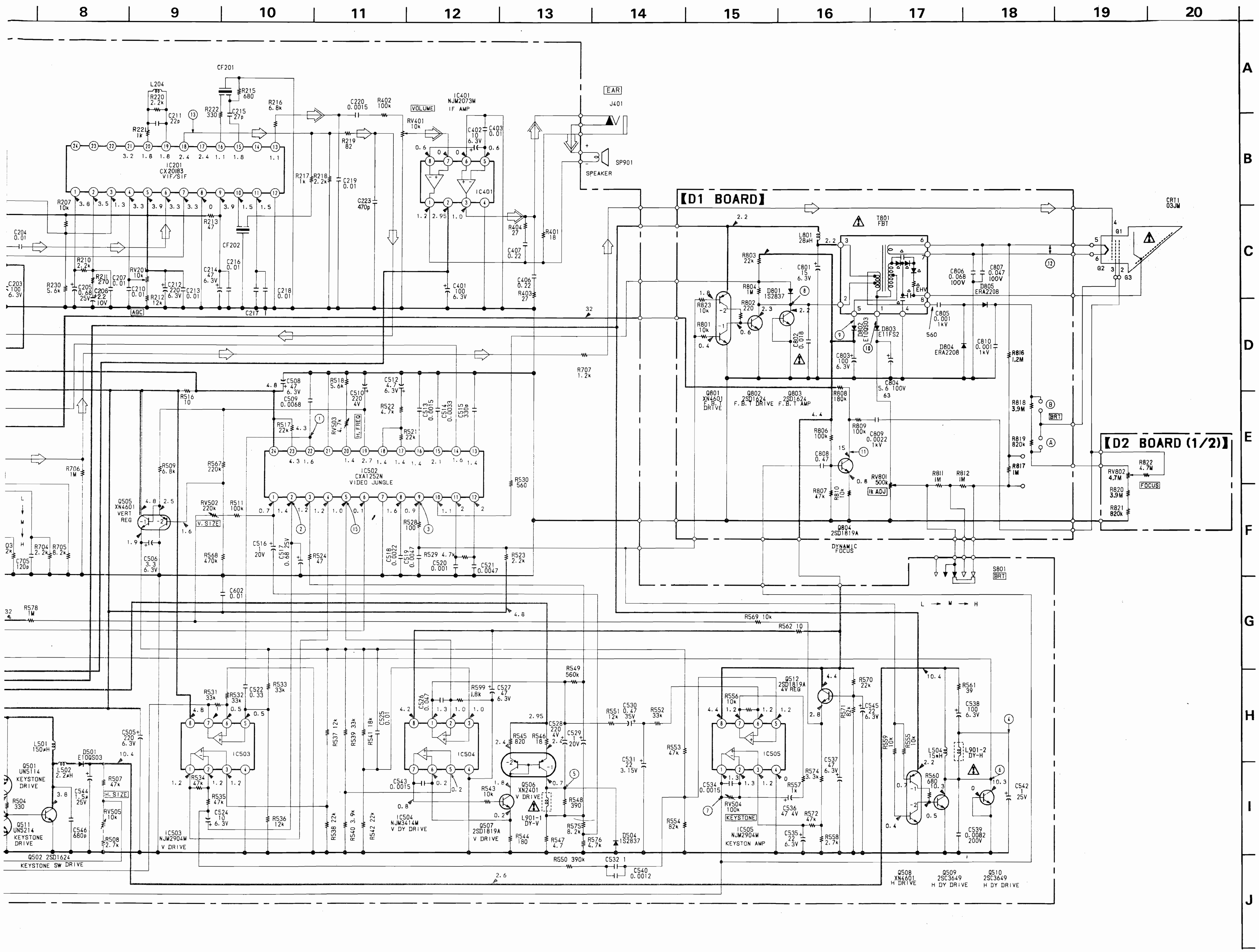
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
【A BOARD】
【D1 BOARD】
【D2 BOARD (1/2)】
ANT901 TV TELESCOPIC ANTENNA
CANADIAN MODEL
US MODEL
J101 EXT ANT
TUNING UNIT
S101-1
S101-2
S101 BAND VHF UHF
TU101 TUNER UNIT
RF
IF
AGC
MB VH UB VL VC
GND
32V
D102 1SS123
Q201 2SC2714 IF AMP
SWF201
CF201
L204
IC201 CX20183 VIF/SIF
CF202
AGC
C217
VOLUME
RV401
IC401 NJM2073M IF AMP
EAR
J401
SP901 SPEAKER
Q602 XN4501
Q601 2SB1122 REG
REG REF
D602 RD2.7V
D603 1S2837
42V ADJ
CP601
L202 100μH
Q301 2SB1218A VIDEO BUFF
Q302 XN4501 VIDEO AMP
S701
CONTR
D301 MA141WK
IC502 CXA1252N VIDEO JUNGLE
H.FREQ
Q505 XN4601 VERT REG
V.SIZE
Q801 XN4601 F.B.T DRIVE
Q802 2SD1624 F.B.T DRIVE
Q803 2SD1624 F.B.T AMP
Q804 2SD1819A DYNAMIC FOCUS
1k ADJ
TV SOUND OFF
S601-1
S601-2
POWER
CANADIAN MODEL
US MODEL
CN601 DC IN 3V
F601 1.2A 125V
DRY BATTERY SIZE "C" 2PCS 3V
D601 V19C
TOTAL CURRENT SOUND:150mA TV :450mA
IC501 TL1451ACNS KEYSTONE SWITCHING
Q503 2SB1116 REG
2.2V ADJ
Q504 XN4501 REG REF
Q501 UN5114 KEYSTONE DRIVE
Q511 UN5214 KEYSTONE DRIVE
Q502 2SD1624 KEYSTONE SW DRIVE
L501 150μH
D501 E10QS03
H.SIZE
IC503 NJM2904M V DRIVE
IC504 NJM3414M V DY DRIVE
Q507 2SD1819A V DRIVE
Q506 XN2401 V DRIVE
L901-1 DY-V
D504 1S2837
Q512 2SD1819A 4V REG
IC505 NJM2904M KEYSTON AMP
KEYSTONE


8
9
10
11
12
13
14
15
16
17
18
19
20
A
B
C
D
E
F
G
H
I
J
CF201
L204
IC201
CX20183
VIF/SIF
CF202
AGC
EAR
J401
SP901
SPEAKER
VOLUME
IC401
NJM2073M
IF AMP
RV401
【D1 BOARD】
T801
FBT
L801
28μH
Q801
XN4601
F.B.T DRIVE
Q802
2SD1624
F.B.T DRIVE
Q803
2SD1624
F.B.T AMP
D803
E11FS2
D805
ERA22O8
D804
ERA22O8
EHV
CRT1
03JM
G1
G2
G3
BRT
RV801
500k
Ik ADJ
Q804
2SD1819A
DYNAMIC
FOCUS
【D2 BOARD (1/2)】
RV802
4.7M
FOCUS
S801
BRT
L → M → H
IC502
CXA1252N
VIDEO JUNGLE
H.FREQ
RV502
220k
V.SIZE
Q505
XN4601
VERT
REG
RV503
4.7k
IC503
NJM2904M
V DRIVE
IC504
NJM3414M
V DY DRIVE
Q506
XN2401
V DRIVE
Q507
2SD1819A
V DRIVE
L901-1
DY-V
D504
1S2837
IC505
NJM2904M
KEYSTON AMP
RV504
100k
KEYSTONE
Q512
2SD1819A
4V REG
L901-2
DY-H
L504
15mH
Q508
XN4601
H DRIVE
Q509
2SC3649
H DY DRIVE
Q510
2SC3649
H DY DRIVE
L501
150μH
D501
E10QS03
L502
2.2μH
Q501
UN5114
KEYSTONE
DRIVE
Q511
UN5214
KEYSTONE
DRIVE
Q502 2SD1624
KEYSTONE SW DRIVE
RV505
10k
H.SIZE
R578
1M
R706
1M

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- (%) : indicates tolerances.
- ▬ : B+ bus.
- ☐ : adjustment for repair.
- Power voltage is 3V DC and fed with regulated dc power supply from battery terminal.
- Voltages are dc with respect to ground no-signal (detuned) conditions with VOM (DC 50kΩ/V).
- Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken to ground in color-bar signal input conditions by using oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Total current is measured under no-signal conditions.
- ⇨ : signal path
- Circled numbers refer to waveforms.
- **Switch**

Ref. No.	Switch	Position
S601	POWER	TV
S701	CONTR	L
S801	BRT	VHF

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

Ref.No.	Part No.	Description			
901	*1-624-332-13	PC BOARD, D2			
902	1-526-992-11	SOCKET, CRT			
903	1-464-865-11	TUNING UNIT			
904	A-3015-567-A	PC BOARD ASSY, A			
905	1-624-335-11	PC BOARD, CRT FLEXIBLE			
906	1-625-971-11	PC BOARD, BRT FLEXIBLE			
907	1-624-338-11	PC BOARD, (D) FLEXIBLE			
908	1-624-337-11	PC BOARD, TUNER FLEXIBLE			
909	A-3015-565-A	PC BOARD ASSY, D1			
913	1-566-539-11	CONNECTOR, FPC (NON ZIF) 7P			
914	1-566-927-11	HOUSING, CONECTOR (FPC) 7P			
915	1-566-928-11	HOUSING, CONECTOR (FPC) 14P			
ANT901	1-501-391-11	(BLACK)........ANTENNA, TELESCOPIC			
ANT901	1-501-391-21	(WHITE,BLUE)...ANTENNA, TELESCOPIC			
C102	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C103	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C104	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C105	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C106	1-162-966-11	CERAMIC CHIP	0.0022MF	10%	50V
C107	1-126-205-11	CAP ELECT	47MF	20%	6.3V
C108	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C109	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C201	1-162-964-11	CERAMIC CHIP	0.001MF	10%	50V
C202	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C203	1-124-225-00	ELECT	100MF	20%	6.3V
C204	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C205	1-135-146-21	TANTAL. CHIP	0.68MF	20%	25V
C206	1-135-149-21	TANTAL. CHIP	2.2MF	20%	10V
C207	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C210	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C211	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C212	1-124-635-00	ELECT	220MF	20%	6.3V
C213	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C214	1-124-224-00	ELECT	47MF	20%	6.3V
C215	1-162-946-11	CERAMIC CHIP	27PF	5%	50V
C216	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C217	1-162-638-11	CERAMIC CHIP	1MF		16V
C218	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C219	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C220	1-163-209-00	CERAMIC CHIP	0.0015MF	10%	50V
C223	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C301	1-135-151-21	TANTAL. CHIP	4.7MF	20%	4V
C302	1-162-638-11	CERAMIC CHIP	1MF		16V
C303	1-124-225-00	ELECT	100MF	20%	6.3V
C401	1-124-225-00	ELECT	100MF	20%	6.3V
C402	1-124-462-00	ELECT	10MF	20%	6.3V
C403	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C406	1-163-081-00	CERAMIC CHIP	0.22MF		25V
C407	1-163-081-00	CERAMIC CHIP	0.22MF		25V
C502	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C503	1-162-638-11	CERAMIC CHIP	1MF		16V
C504	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C505	1-124-635-00	ELECT	220MF	20%	6.3V
C506	1-135-150-21	TANTAL. CHIP	3.3MF	20%	6.3V
C508	1-124-224-00	ELECT	47MF	20%	6.3V
C509	1-164-112-11	CERAMIC CHIP	0.0068MF	5%	25V
C510	1-124-576-11	ELECT	220MF	20%	4V
C511	1-163-141-00	CERAMIC CHIP	0.001MF	10%	50V
C512	1-131-375-00	TANTALUM	4.7MF	10%	6.3V
C513	1-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V
C514	1-162-967-11	CERAMIC CHIP	0.0033MF	10%	50V
C515	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C516	1-135-147-21	TANTAL. CHIP	1MF	20%	20V
C517	1-135-146-21	TANTAL. CHIP	0.68MF	20%	25V
C518	1-162-966-11	CERAMIC CHIP	0.0022MF	10%	50V
C519	1-162-968-11	CERAMIC CHIP	0.0047MF	10%	50V
C520	1-162-964-11	CERAMIC CHIP	0.001MF	10%	50V
C521	1-162-968-11	CERAMIC CHIP	0.0047MF	10%	50V
C522	1-162-568-11	CERAMIC CHIP	0.33MF		25V
C524	1-124-462-00	ELECT	10MF	20%	6.3V
C525	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C526	1-163-035-00	CERAMIC CHIP	0.047MF	10%	25V
C527	1-126-205-11	CAP ELECT	47MF	20%	6.3V
C528	1-124-576-11	ELECT	220MF	20%	4V
C529	1-135-147-21	TANTAL. CHIP	1MF	20%	20V
C530	1-135-145-11	TANTAL. CHIP	0.47MF	20%	35V
C531	1-131-391-00	TANTALUM	22MF	10%	3.15V
C532	1-162-638-11	CERAMIC CHIP	1MF		16V
C534	1-162-965-11	CERAMIC CHIP	0.0015MF	10%	50V
C535	1-124-778-00	CAP ELECT	22MF	20%	6.3V
C536	1-126-208-11	CAP ELECT	47MF	20%	4V
C537	1-124-224-00	ELECT	47MF	20%	6.3V
C538	1-126-206-11	CAP ELECT	100MF	20%	6.3V
C539	1-106-365-00	MYLAR	0.0082MF	5%	200V
C540	1-163-143-00	CERAMIC CHIP	0.0012MF	10%	50V
C541	1-126-209-11	CAP ELECT	100MF	20%	4V
C542	1-127-506-00	ELECT(SOLID)	1MF	20%	25V
C543	1-162-965-11	CERAMIC CHIP	0.0015MF	10%	50V
C544	1-127-507-00	ELECT(SOLID)	1.5MF	20%	25V
C545	1-124-638-11	ELECT	22MF	20%	6.3V
C546	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C601	1-124-222-00	ELECT	22MF	20%	6.3V
C602	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C603	1-127-483-00	ELECT(SOLID)	15MF	20%	6.3V
C604	1-163-077-00	CERAMIC CHIP	0.1MF		50V
C605	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C606	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C607	1-124-245-00	ELECT	4.7MF	20%	35V
C701	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C702	1-126-208-11	CAP ELECT	47MF	20%	4V
C703	1-163-076-00	CERAMIC CHIP	0.068MF		50V
C704	1-162-958-11	CERAMIC CHIP	270PF	5%	50V
C705	1-162-954-11	CERAMIC CHIP	120PF	5%	50V
C801	1-127-483-00	ELECT(SOLID)	15MF	20%	6.3V
C802	⚠ 1-130-486-00	FILM	0.018MF	5%	50V
C803	1-126-206-11	CAP ELECT	100MF	20%	6.3V
C804	1-126-112-11	ELECT	5.6MF	20%	100V
C805	1-162-697-11	CERAMIC	0.001MF		1KV
C806	1-164-111-11	CERAMIC CHIP	0.068MF	10%	100V
C807	1-163-831-00	CERAMIC CHIP	0.047MF	10%	100V
C808	1-162-637-11	CERAMIC CHIP	0.47MF		16V
C809	1-164-116-11	CERAMIC	0.0022MF	99%	1KV
C810	1-162-697-11	CERAMIC	0.001MF		1KV
CF201	1-567-513-11	FILTER, CERAMIC			
CF202	1-567-937-11	FILTER, CERAMIC			
CN601	1-507-850-00	JACK, EXTENTION POWER (DC IN 3V)			
CP601	1-464-864-11	TRANSFORMER UNIT			
CRT1	⚠ 8-733-321-01	CRT 03JM			
D102	8-719-101-23	DIODE 1SS123			
D301	8-719-404-35	DIODE MA141WK			
D501	8-719-200-36	DIODE E10QS04			
D504	8-719-100-05	DIODE 1S2837			
D601	8-719-918-77	DIODE V19G			
D602	8-719-105-32	DIODE RD2.7M-B2			
D603	8-719-100-05	DIODE 1S2837			
D801	8-719-100-05	DIODE 1S2837			
D802	8-719-200-36	DIODE E10QS04			
D803	8-719-201-00	DIODE E11FS2			
D804	8-719-948-45	DIODE ERA22-08			
D805	8-719-948-45	DIODE ERA22-08			
F601	⚠ 1-532-777-21	(US)...FUSE,MICRO			
IC201	8-759-602-99	IC CX20183			
IC401	8-759-701-02	IC NJM2073M			
IC501	8-759-937-36	IC TL1451ACNS			
IC502	8-759-605-58	IC CXA1252N			
IC503	8-759-701-01	IC NJM2904M			
IC504	8-759-701-24	IC NJM3414M			
IC505	8-759-701-01	IC NJM2904M			
J101	1-507-974-11	(US:SEARS)...JACK (EXT ANT)			
J401	1-507-974-11	JACK (EAR)			
L201	*1-422-240-11	COIL, AIR-CORE			
L202	1-408-575-00	INDUCTOR	100UH		
L204	1-404-772-21	TRANSFORMER, IF			
L501	1-410-955-21	INDUCTOR, SMALL TYPE			
L502	1-410-196-11	INDUCTOR CHIP	2.2UH		
L504	1-410-954-11	MICRO INDUCTOR			
L601	1-421-549-21	COIL, CHOKE 28UH			
L602	1-410-209-51	INDUCTOR CHIP	27UH		
L603	1-410-200-31	INDUCTOR CHIP	4.7UH		
L801	1-421-549-21	COIL, CHOKE 28UH			
L901	⚠ 1-451-312-11	DEFLECTION YOKE			
Q201	8-729-202-85	TRANSISTOR 2SC2714R			
Q301	8-729-602-36	TRANSISTOR 2SA1602			
Q302	8-729-402-81	TRANSISTOR XN4501			
Q501	8-729-402-96	TRANSISTOR UN5114			
Q502	8-729-808-42	TRANSISTOR 2SD1624-T			
Q503	⚠ 8-729-118-01	TRANSISTOR 2SB1116			
Q504	8-729-402-81	TRANSISTOR XN4501			
Q505	8-729-402-84	TRANSISTOR XN4601			
Q506	8-729-402-87	TRANSISTOR XN2401			
Q507	8-729-602-21	TRANSISTOR 2SC4154			
Q508	8-729-402-84	TRANSISTOR XN4601			
Q509	8-729-808-56	TRANSISTOR 2SC3649-S			
Q510	8-729-808-56	TRANSISTOR 2SC3649-S			
Q511	8-729-402-93	TRANSISTOR UN5214			
Q512	8-729-602-21	TRANSISTOR 2SC4154			
Q601	8-729-804-42	TRANSISTOR 2SB1122-T			
Q602	8-729-402-81	TRANSISTOR XN4501			
Q801	8-729-402-84	TRANSISTOR XN4601			
Q802	8-729-808-42	TRANSISTOR 2SD1624-T			
Q803	8-729-808-42	TRANSISTOR 2S01624-T			
Q804	8-729-602-21	TRANSISTOR 2SC5154			
R108	1-216-861-11	METAL GLAZE	2.2M	5%	1/16W
R110	1-216-852-11	METAL GLAZE	390K	5%	1/16W
R111	1-216-852-11	METAL GLAZE	390K	5%	1/16W
R112	1-216-851-11	METAL GLAZE	330K	5%	1/16W
R201	1-216-815-11	METAL GLAZE	330	5%	1/16W
R202	1-216-830-11	METAL GLAZE	5.6K	5%	1/16W

Ref.No.	Par
R203	1-2
R204	1-2
R205	1-2
R206	1-2
R207	1-2
R210	1-2
R211	1-2
R212	1-2
R213	1-2
R215	1-2
R216	1-2
R217	1-2
R218	1-21
R219	1-2
R220	1-21
R221	1-21
R222	1-21
R230	1-21
R301	1-21
R302	1-21
R303	1-21
R304	1-21
R305	1-21
R306	1-21
R308	1-21
R309	1-21
R401	1-21
R402	1-21
R403	1-21
R404	1-21
R502	1-21
R503	1-21
R504	1-21
R505	1-21
R507	1-21
R508	1-21
R509	1-21
R511	1-21
R513	1-21
R514	1-21
R516	1-21
R517	1-21
R518	1-21
R521	1-21
R522	1-21

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Replace only with part number specified.

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Ref.No.	Part No.	Description			
C545	1-124-638-11	ELECT	22MF	20%	6.3V
C546	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C601	1-124-222-00	ELECT	22MF	20%	6.3V
C602	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C603	1-127-483-00	ELECT(SOLID)	15MF	20%	6.3V
C604	1-163-077-00	CERAMIC CHIP	0.1MF		50V
C605	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C606	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C607	1-124-245-00	ELECT	4.7MF	20%	35V
C701	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C702	1-126-208-11	CAP ELECT	47MF	20%	4V
C703	1-163-076-00	CERAMIC CHIP	0.068MF		50V
C704	1-162-958-11	CERAMIC CHIP	270PF	5%	50V
C705	1-162-954-11	CERAMIC CHIP	120PF	5%	50V
C801	1-127-483-00	ELECT(SOLID)	15MF	20%	6.3V
C802	⚠.1-130-486-00	FILM	0.018MF	5%	50V
C803	1-126-206-11	CAP ELECT	100MF	20%	6.3V
C804	1-126-112-11	ELECT	5.6MF	20%	100V
C805	1-162-697-11	CERAMIC	0.001MF		1KV
C806	1-164-111-11	CERAMIC CHIP	0.068MF	10%	100V
C807	1-163-831-00	CERAMIC CHIP	0.047MF	10%	100V
C808	1-162-637-11	CERAMIC CHIP	0.47MF		16V
C809	1-164-116-11	CERAMIC	0.0022MF	99%	1KV
C810	1-162-697-11	CERAMIC	0.001MF		1KV
CF201	1-567-513-11	FILTER, CERAMIC			
CF202	1-567-937-11	FILTER, CERAMIC			
CN601	1-507-850-00	JACK, EXTENTION POWER (DC IN 3V)			
CP601	1-464-864-11	TRANSFORMER UNIT			
CRT1	⚠.8-733-321-01	CRT 03JM			
D102	8-719-101-23	DIODE 1SS123			
D301	8-719-404-35	DIODE MA141WK			
D501	8-719-200-36	DIODE E10QS04			
D504	8-719-100-05	DIODE 1S2837			
D601	8-719-918-77	DIODE V19G			
D602	8-719-105-32	DIODE RD2.7M-B2			
D603	8-719-100-05	DIODE 1S2837			
D801	8-719-100-05	DIODE 1S2837			
D802	8-719-200-36	DIODE E10QS04			
D803	8-719-201-00	DIODE E11FS2			
D804	8-719-948-45	DIODE ERA22-08			
D805	8-719-948-45	DIODE ERA22-08			
F601	⚠.1-532-777-21	(US)...FUSE,MICRO			
IC201	8-759-602-99	IC CX20183			
IC401	8-759-701-02	IC NJM2073M			
IC501	8-759-937-36	IC TL1451ACNS			

Ref.No.	Part No.	Description			
IC502	8-759-605-58	IC CXA1252N			
IC503	8-759-701-01	IC NJM2904M			
IC504	8-759-701-24	IC NJM3414M			
IC505	8-759-701-01	IC NJM2904M			
J101	1-507-974-11	(US:SEARS)...JACK (EXT ANT)			
J401	1-507-974-11	JACK (EAR)			
L201	*1-422-240-11	COIL, AIR-CORE			
L202	1-408-575-00	INDUCTOR	100UH		
L204	1-404-772-21	TRANSFORMER, IF			
L501	1-410-955-21	INDUCTOR, SMALL TYPE			
L502	1-410-196-11	INDUCTOR CHIP	2.2UH		
L504	1-410-954-11	MICRO INDUCTOR			
L601	1-421-549-21	COIL, CHOKE 28UH			
L602	1-410-209-51	INDUCTOR CHIP	27UH		
L603	1-410-200-31	INDUCTOR CHIP	4.7UH		
L801	1-421-549-21	COIL, CHOKE 28UH			
L901	⚠.1-451-312-11	DEFLECTION YOKE			
Q201	8-729-202-85	TRANSISTOR 2SC2714R			
Q301	8-729-602-36	TRANSISTOR 2SA1602			
Q302	8-729-402-81	TRANSISTOR XN4501			
Q501	8-729-402-96	TRANSISTOR UN5114			
Q502	8-729-808-42	TRANSISTOR 2SD1624-T			
Q503	⚠.8-729-118-01	TRANSISTOR 2SB1116			
Q504	8-729-402-81	TRANSISTOR XN4501			
Q505	8-729-402-84	TRANSISTOR XN4601			
Q506	8-729-402-87	TRANSISTOR XN2401			
Q507	8-729-602-21	TRANSISTOR 2SC4154			
Q508	8-729-402-84	TRANSISTOR XN4601			
Q509	8-729-808-56	TRANSISTOR 2SC3649-S			
Q510	8-729-808-56	TRANSISTOR 2SC3649-S			
Q511	8-729-402-93	TRANSISTOR UN5214			
Q512	8-729-602-21	TRANSISTOR 2SC4154			
Q601	8-729-804-42	TRANSISTOR 2SB1122-T			
Q602	8-729-402-81	TRANSISTOR XN4501			
Q801	8-729-402-84	TRANSISTOR XN4601			
Q802	8-729-808-42	TRANSISTOR 2SD1624-T			
Q803	8-729-808-42	TRANSISTOR 2SD1624-T			
Q804	8-729-602-21	TRANSISTOR 2SC5154			
R108	1-216-861-11	METAL GLAZE	2.2M	5%	1/16W
R110	1-216-852-11	METAL GLAZE	390K	5%	1/16W
R111	1-216-852-11	METAL GLAZE	390K	5%	1/16W
R112	1-216-851-11	METAL GLAZE	330K	5%	1/16W
R201	1-216-815-11	METAL GLAZE	330	5%	1/16W
R202	1-216-830-11	METAL GLAZE	5.6K	5%	1/16W

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Ref.No.	Part No.	Description			
R203	1-216-817-11	METAL GLAZE	470	5%	1/16W
R204	1-216-808-11	METAL GLAZE	82	5%	1/16W
R205	1-216-821-11	METAL GLAZE	1K	5%	1/16W
R206	1-216-797-11	METAL GLAZE	10	5%	1/16W
R207	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R210	1-216-825-11	METAL GLAZE	2.2K	5%	1/16W
R211	1-216-814-11	METAL GLAZE	270	5%	1/16W
R212	1-216-834-11	METAL GLAZE	12K	5%	1/16W
R213	1-216-805-11	METAL GLAZE	47	5%	1/16W
R215	1-216-819-11	METAL GLAZE	680	5%	1/16W
R216	1-216-831-11	METAL GLAZE	6.8K	5%	1/16W
R217	1-216-821-11	METAL GLAZE	1K	5%	1/16W
R218	1-216-825-11	METAL GLAZE	2.2K	5%	1/16W
R219	1-216-808-11	METAL GLAZE	82	5%	1/16W
R220	1-216-825-11	METAL GLAZE	2.2K	5%	1/16W
R221	1-216-821-11	METAL GLAZE	1K	5%	1/16W
R222	1-216-815-11	METAL GLAZE	330	5%	1/16W
R230	1-216-830-11	METAL GLAZE	5.6K	5%	1/16W
R301	1-216-839-11	METAL GLAZE	33K	5%	1/16W
R302	1-216-836-11	METAL GLAZE	18K	5%	1/16W
R303	1-216-829-11	METAL GLAZE	4.7K	5%	1/16W
R304	1-216-806-11	METAL GLAZE	56	5%	1/16W
R305	1-216-818-11	METAL GLAZE	560	5%	1/16W
R306	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R308	1-216-824-11	METAL GLAZE	1.8K	5%	1/16W
R309	1-216-821-11	METAL GLAZE	1K	5%	1/16W
R401	1-216-007-00	METAL GLAZE	18	5%	1/10W
R402	1-216-845-11	METAL GLAZE	100K	5%	1/16W
R403	1-216-011-00	METAL GLAZE	27	5%	1/10W
R404	1-216-802-11	METAL GLAZE	27	5%	1/16W
R502	1-216-845-11	METAL GLAZE	100K	5%	1/16W
R503	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R504	1-216-815-11	METAL GLAZE	330	5%	1/16W
R505	1-216-826-11	METAL GLAZE	2.7K	5%	1/16W
R507	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R508	1-216-826-11	METAL GLAZE	2.7K	5%	1/16W
R509	1-216-831-11	METAL GLAZE	6.8K	5%	1/16W
R511	1-216-845-11	METAL GLAZE	100K	5%	1/16W
R513	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R514	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R516	1-216-797-11	METAL GLAZE	10	5%	1/16W
R517	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R518	1-216-830-11	METAL GLAZE	5.6K	5%	1/16W
R521	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R522	1-216-829-11	METAL GLAZE	4.7K	5%	1/16W

Ref.No.	Part No.	Description			
R523	1-216-825-11	METAL GLAZE	2.2K	5%	1/16W
R524	1-216-805-11	METAL GLAZE	47	5%	1/16W
R525	1-216-809-11	METAL GLAZE	100	5%	1/16W
R526	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R527	⚠.1-216-834-11	METAL GLAZE	12K	5%	1/16W
R528	1-216-809-11	METAL GLAZE	100	5%	1/16W
R529	1-216-829-11	METAL GLAZE	4.7K	5%	1/16W
R530	1-216-818-11	METAL GLAZE	560	5%	1/16W
R531	1-216-839-11	METAL GLAZE	33K	5%	1/16W
R532	1-216-839-11	METAL GLAZE	33K	5%	1/16W
R533	1-216-839-11	METAL GLAZE	33K	5%	1/16W
R534	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R535	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R536	1-216-834-11	METAL GLAZE	12K	5%	1/16W
R537	1-216-834-11	METAL GLAZE	12K	5%	1/16W
R538	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R539	1-216-839-11	METAL GLAZE	33K	5%	1/16W
R540	1-216-828-11	METAL GLAZE	3.9K	5%	1/16W
R541	1-216-836-11	METAL GLAZE	18K	5%	1/16W
R542	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R543	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R544	1-216-812-11	METAL GLAZE	180	5%	1/16W
R545	1-216-820-11	METAL GLAZE	820	5%	1/16W
R546	1-216-800-11	METAL GLAZE	18	5%	1/16W
R547	1-216-308-00	METAL GLAZE	4.7	5%	1/10W
R548	1-216-816-11	METAL GLAZE	390	5%	1/16W
R549	1-216-854-11	METAL GLAZE	560K	5%	1/16W
R550	1-216-852-11	METAL GLAZE	390K	5%	1/16W
R551	1-216-834-11	METAL GLAZE	12K	5%	1/16W
R552	1-216-839-11	METAL GLAZE	33K	5%	1/16W
R553	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R554	1-216-844-11	METAL GLAZE	82K	5%	1/16W
R555	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R556	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R557	1-216-821-11	METAL GLAZE	1K	5%	1/16W
R558	1-216-826-11	METAL GLAZE	2.7K	5%	1/16W
R559	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R560	1-216-819-11	METAL GLAZE	680	5%	1/16W
R561	1-216-804-11	METAL GLAZE	39	5%	1/16W
R562	1-216-797-11	METAL GLAZE	10	5%	1/16W
R564	⚠.1-216-834-11	METAL GLAZE	12K	5%	1/16W
R565	⚠.1-216-840-11	METAL GLAZE	39K	5%	1/16W
R566	⚠.1-216-840-11	METAL GLAZE	39K	5%	1/16W
R567	1-216-849-11	METAL GLAZE	220K	5%	1/16W
R568	1-216-853-11	METAL GLAZE	470K	5%	1/16W

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Replace only with part number specified.

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Ne les remplacer que par une pièce portant le numéro spécifé.

Ref.No.	Part No.	Description			
R569	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R570	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R571	1-216-844-11	METAL GLAZE	82K	5%	1/16W
R572	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R574	1-216-827-11	METAL GLAZE	3.3K	5%	1/16W
R575	1-216-832-11	METAL GLAZE	8.2K	5%	1/16W
R576	1-216-829-11	METAL GLAZE	4.7K	5%	1/16W
R578	1-216-857-11	METAL GLAZE	1M	5%	1/16W
R580	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R599	1-216-824-11	METAL GLAZE	1.8K	5%	1/16W
R601	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R602	1-216-823-11	METAL GLAZE	1.5K	5%	1/16W
R603	1-216-817-11	METAL GLAZE	470	5%	1/16W
R604	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R605	1-216-842-11	METAL GLAZE	56K	5%	1/16W
R701	1-216-835-11	METAL GLAZE	15K	5%	1/16W
R702	1-216-825-11	METAL GLAZE	2.2K	5%	1/16W
R703	1-216-822-11	METAL GLAZE	1.2K	5%	1/16W
R704	1-216-825-11	METAL GLAZE	2.2K	5%	1/16W
R705	1-216-832-11	METAL GLAZE	8.2K	5%	1/16W
R706	1-216-857-11	METAL GLAZE	1M	5%	1/16W
R707	1-216-822-11	METAL GLAZE	1.2K	5%	1/16W
R801	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R802	1-216-813-11	METAL GLAZE	220	5%	1/16W
R803	1-216-837-11	METAL GLAZE	22K	5%	1/16W
R804	1-216-857-11	METAL GLAZE	1M	5%	1/16W
R806	1-216-845-11	METAL GLAZE	100K	5%	1/16W
R807	1-216-841-11	METAL GLAZE	47K	5%	1/16W
R808	1-216-848-11	METAL GLAZE	180K	5%	1/16W
R809	1-216-845-11	METAL GLAZE	100K	5%	1/16W
R810	1-216-833-11	METAL GLAZE	10K	5%	1/16W
R811	1-216-857-11	METAL GLAZE	1M	5%	1/16W
R812	1-216-857-11	METAL GLAZE	1M	5%	1/16W
R816	1-216-858-11	METAL GLAZE	1.2M	5%	1/16W
R817	1-216-857-11	METAL GLAZE	1M	5%	1/16W
R818	1-216-284-00	METAL GLAZE	3.9M	5%	1/8W
R819	1-216-119-00	METAL GLAZE	820K	5%	1/10W
R820	1-216-284-00	METAL GLAZE	3.9M	5%	1/8W
R821	1-216-119-00	METAL GLAZE	820K	5%	1/10W
R822	1-216-286-00	METAL GLAZE	4.7M	5%	1/8W
R823	1-216-833-11	METAL GLAZE	10K	5%	1/16W

Ref.No.	Part No.	Description
RV201	1-238-090-11	RES, ADJ CERMET 10K (AGC)
RV401	1-230-939-11	RES, VAR, CARBON 10K (VOLUME)
RV502	1-238-094-11	RES, ADJ CERMET 220K (V.SIZE)
RV503	1-238-089-11	RES, ADJ CERMET 4.7K (H.FREQ)
RV504	1-238-093-11	RES, ADJ CERMET 100K (KEY STONE)
RV505	1-238-090-11	RES, ADJ CERMET 10K (H.SIZE)
RV506	1-238-090-11	RES, ADJ CERMET 10K (2.2V ADJ)
RV601	1-238-090-11	RES, ADJ CERMET 10K (4.2V ADJ)
RV801	1-228-999-00	RES, ADJ, CARBON 500K (BRT)
RV802	1-230-954-11	RES, ADJ (HIGH VOLTAGE) 4.7M (FOCUS)
S601	1-570-056-11	SWITCH, SLIDE (POWER)
S701	1-570-402-11	SWITCH, SLIDE (CONTR)
S801	1-570-402-11	SWITCH, SLIDE (BRT)
SP901	1-503-540-11	SPEAKER
SWF201	1-567-938-11	FILTER, CERAMIC (SURFACE WAVE)
T801	⚠ 1-439-417-11	TRANSFORMER ASSY, FLYBACK
TU101	1-463-911-11	(US).........TUNER UNIT
TU101	1-463-911-21	(Canadian)...TUNER UNIT

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Sony Corporation
Audio Group

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SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC,
UPD...: μPD...

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ELECTRICAL PARTS

Ref.No.	Part No.	Description			
901	*1-624-332-11	PC BOARD, D2			
902	1-526-992-11	SOCKET, CRT			
903	1-464-865-11	TUNING UNIT			
904	A-3015-567-A	PC BOARD ASSY, A			
905	1-624-335-11	PC BOARD, CRT FLEXIBLE			
906	1-624-336-11	PC BOARD, BRT FLEXIBLE			
907	1-624-338-11	PC BOARD, (D) FLEXIBLE			
908	1-624-337-11	PC BOARD, TUNER FLEXIBLE			
909	A-3015-565-A	PC BOARD ASSY, D1			
910	*1-624-334-11	PC BOARD, S			
911	1-463-911-12	(US)...TUNER UNIT			
	1-463-911-22	**(Canadian)....TUNER UNIT**			
912	1-566-539-11	CONNECTOR, FPC (NON ZIF) 7P			
913	1-566-539-11	CONNECTOR, FPC (NON ZIF) 7P			
914	1-566-927-11	HOUSING, CONECTOR (FPC) 7P			
915	1-566-928-11	HOUSING, CONECTOR (FPC) 14P			
ANT901	1-501-391-11	(BLACK)........ANTENNA, TELESCOPIC			
ANT901	1-501-391-21	(WHITE,BLUE)...ANTENNA, TELESCOPIC			
C102	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C103	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C104	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C105	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C106	1-162-966-11	CERAMIC CHIP	0.0022MF	10%	50V
C107	1-126-205-11	CAP ELECT	47MF	20%	6.3V
C108	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C109	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C201	1-162-964-11	CERAMIC CHIP	0.001MF	10%	50V
C202	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C203	1-124-225-00	ELECT	100MF	20%	6.3V
C204	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C205	1-135-146-21	TANTAL. CHIP	0.68MF	20%	25V
C206	1-135-149-21	TANTAL. CHIP	2.2MF	20%	10V
C207	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C208	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C209	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C210	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C211	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C212	1-124-635-00	ELECT	220MF	20%	6.3V
C213	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C214	1-124-224-00	ELECT	47MF	20%	6.3V
C215	1-162-946-11	CERAMIC CHIP	27PF	5%	50V
C216	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C217	1-135-149-21	TANTAL. CHIP	2.2MF	20%	10V
C218	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C219	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C220	1-163-209-00	CERAMIC CHIP	0.0015MF	10%	50V
C221	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C222	1-124-462-00	ELECT	10MF	20%	6.3V
C301	1-135-151-21	TANTAL. CHIP	4.7MF	20%	4V
C302	1-162-638-11	CERAMIC CHIP	1MF		16V
C303	1-124-225-00	ELECT	100MF	20%	6.3V
C401	1-124-225-00	ELECT	100MF	20%	6.3V
C402	1-124-462-00	ELECT	10MF	20%	6.3V
C403	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C404	1-126-208-11	CAP ELECT	47MF	20%	4V
C406	1-163-081-00	CERAMIC CHIP	0.22MF		25V
C407	1-163-081-00	CERAMIC CHIP	0.22MF		25V
C502	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C503	1-162-638-11	CERAMIC CHIP	1MF		16V
C504	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C505	1-124-635-00	ELECT	220MF	20%	6.3V
C506	1-135-150-21	TANTAL. CHIP	3.3MF	20%	6.3V
C508	1-126-310-41	ELECT	47MF	20%	6.3V
C509	1-164-112-11	CERAMIC CHIP	0.0068MF	5%	25V
C510	1-124-576-11	ELECT	220MF	20%	4V
C511	1-163-141-00	CERAMIC CHIP	0.001MF	10%	50V
C512	1-131-375-00	TANTALUM	4.7MF	10%	6.3V
C513	1-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V
C514	1-162-967-11	CERAMIC CHIP	0.0033MF	10%	50V
C515	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C516	1-135-147-21	TANTAL. CHIP	1MF	20%	20V
C517	1-135-146-21	TANTAL. CHIP	0.68MF	20%	25V
C518	1-162-966-11	CERAMIC CHIP	0.0022MF	10%	50V
C519	1-162-968-11	CERAMIC CHIP	0.0047MF	10%	50V
C520	1-162-964-11	CERAMIC CHIP	0.001MF	10%	50V
C521	1-162-968-11	CERAMIC CHIP	0.0047MF	10%	50V
C522	1-162-568-11	CERAMIC CHIP	0.33MF		25V
C524	1-124-462-00	ELECT	10MF	20%	6.3V
C525	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C526	1-163-035-00	CERAMIC CHIP	0.047MF	10%	25V
C527	1-126-205-11	CAP ELECT	47MF	20%	6.3V
C528	1-124-576-11	ELECT	220MF	20%	4V
C529	1-135-147-21	TANTAL. CHIP	1MF	20%	20V
C530	1-135-145-11	TANTAL. CHIP	0.47MF	20%	35V
C531	1-131-391-00	TANTALUM	22MF	20%	3.15V
C532	1-162-638-11	CERAMIC CHIP	1MF		16V
C534	1-162-965-11	CERAMIC CHIP	0.0015MF	10%	50V
C535	1-124-778-00	CAP ELECT	22MF	20%	6.3V
C536	1-126-208-11	CAP ELECT	47MF	20%	4V
C537	1-124-224-00	ELECT	47MF	20%	6.3V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C538	1-126-206-11	CAP ELECT	100MF	20%	6.3V
C539	1-106-365-00	MYLAR	0.0082MF	5%	200V
C540	1-163-143-00	CERAMIC CHIP	0.0012MF	10%	50V
C541	1-126-209-11	CAP ELECT	100MF	20%	4V
C542	1-127-506-00	ELECT(SOLID)	1MF	20%	25V
C543	1-162-965-11	CERAMIC CHIP	0.0015MF	10%	50V
C544	1-127-507-00	ELECT(SOLID)	1.5MF	20%	25V
C545	1-124-638-11	ELECT	22MF	20%	6.3V
C546	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C601	1-126-309-41	ELECT	22MF	20%	6.3V
C602	1-162-974-11	CERAMIC CHIP	0.01MF		50V
C603	1-127-483-00	ELECT(SOLID)	15MF	20%	6.3V
C604	1-163-077-00	CERAMIC CHIP	0.1MF		50V
C605	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C606	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C607	1-124-245-00	ELECT	4.7MF	20%	35V
C701	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C702	1-126-208-11	CAP ELECT	47MF	20%	4V
C703	1-163-076-00	CERAMIC CHIP	0.068MF		50V
C704	1-162-958-11	CERAMIC CHIP	270PF	5%	50V
C705	1-162-954-11	CERAMIC CHIP	120PF	5%	50V
C801	1-127-483-00	ELECT(SOLID)	15MF	20%	6.3V
C802	⚠1-130-486-00	FILM	0.018MF	5%	50V
C803	1-126-206-11	CAP ELECT	100MF	20%	6.3V
C804	1-126-112-11	ELECT	5.6MF	20%	100V
C805	1-164-109-11	CERAMIC CHIP	0.001MF	10%	1KV
C806	1-164-111-11	CERAMIC CHIP	0.068MF	10%	100V
C807	1-163-831-00	CERAMIC CHIP	0.047MF	10%	100V
C808	1-162-637-11	CERAMIC CHIP	0.47MF		16V
C809	1-164-116-11	CERAMIC	0.0022MF	99%	1KV
C810	1-164-109-11	CERAMIC CHIP	0.001MF	10%	1KV
CF201	1-567-513-11	FILTER, CERAMIC			
CF202	1-567-937-11	FILTER, CERAMIC			
CF203	1-409-370-00	TRAP, CERAMIC 4.5MHZ			
CN601	1-507-850-00	JACK, EXTENTION POWER			
CP601	1-464-864-11	TRANSFORMER UNIT			
CRT1	⚠8-733-321-01	CRT 03JM			
D101	8-719-404-35	DIODE MA141WK			
D102	8-719-101-23	DIODE 1SS123			
D301	8-719-404-35	DIODE MA141WK			
D501	8-719-200-36	DIODE E10QS04			
D504	8-719-100-05	DIODE 1S2837			
D601	8-719-918-77	DIODE V19G			

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
D602	8-719-105-32	DIODE RD2.7M-B2			
D603	8-719-404-36	DIODE MA141WK			
D801	8-719-100-05	DIODE 1S2837			
D802	8-719-200-35	DIODE E10QS03			
D803	8-719-201-00	DIODE E11FS2			
D804	8-719-948-45	DIODE ERA22-08			
D805	8-719-948-45	DIODE ERA22-08			
F601	⚠1-532-777-21	FUSE, MICRO (SECONDARY)			
IC201	8-759-605-79	IC CXA1283N			
IC401	8-759-701-02	IC NJM2073M			
IC501	8-759-937-36	IC TL1451ACNS			
IC502	8-759-605-58	IC CXA1252N			
IC503	8-759-701-01	IC NJM2904M			
IC504	8-759-701-24	IC NJM3414M			
IC505	8-759-701-01	IC NJM2904M			
J101	1-507-974-11	(US:SEARS)... JACK			
J401	1-507-974-11	JACK			
JR101	1-216-864-11	METAL GLAZE	0	5%	1/16W
JR102	1-216-864-11	METAL GLAZE	0	5%	1/16W
JR801	1-216-864-11	METAL GLAZE	0	5%	1/16W
L201	*1-422-240-11	COIL, AIR-CORE			
L202	1-408-575-00	INDUCTOR	100UH		
L203	1-404-772-21	TRANSFORMER, IF			
L204	1-404-772-21	TRANSFORMER, IF			
L501	1-410-955-21	INDUCTOR, SMALL TYPE			
L502	1-410-196-11	INDUCTOR CHIP 2.2UH			
L504	1-410-954-11	MICRO INDUCTOR			
L601	1-421-549-21	COIL, CHOKE 28UH			
L602	1-410-209-51	INDUCTOR CHIP 27UH			
L603	1-410-200-31	INDUCTOR CHIP 4.7UH			
L801	1-421-549-21	COIL, CHOKE 28UH			
L901	⚠1-451-312-11	DEFLECTION YOKE			
Q201	8-729-200-85	TRANSISTOR 2SC2714R			
Q301	8-729-602-36	TRANSISTOR 2SA1602			
Q302	8-729-402-81	TRANSISTOR XN4501			
Q501	8-729-402-96	TRANSISTOR UN5114			
Q502	8-729-808-42	TRANSISTOR 2SD1624-T			
Q503	⚠8-729-118-01	TRANSISTOR 2SB1116			
Q504	8-729-402-81	TRANSISTOR XN4501			
Q505	8-729-402-84	TRANSISTOR XN4601			
Q506	8-729-402-87	TRANSISTOR XN2401			
Q507	8-729-602-21	TRANSISTOR 2SC4154			
Q508	8-729-402-84	TRANSISTOR XN4601			
Q509	8-729-808-56	TRANSISTOR 2SC3649-S			

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.